	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIAL	IST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
				The state of the s	PLANNING & DES	SIGN PHASE				
It is impor	rtant to note that specialist planning and design p	phase impacts v	•		•			sed on sensitivity data and constraints provided b	y the various special	ists.
			The planni		<u> </u>	nerefore mitigated at I	Planning Phase.			
None identified by special	vliet			AG	GRICULTURAL IMPAC	CT ASSESSMENT				
	130				AQUATIC IMPACT A	ASSESSMENT				
None identified by special	list					1007000 07017				
None identified by special	rlict			A	AVIFAUNAL IMPACT	ASSESSMENT				
None inchesped by Special					BAT IMPACT ASS	SESSMENT				
None identified by special	list									
None identified by special	~lint				HERITAGE IMPACT	ASSESSMENT				
None identified by Special	ist				NOISE IMPACT AS	SSESSMENT				
None identified by special	Mist									
None identified by special				PALA	AENTOLOGICAL IMPA	ACT ASSESSMENT				
None identified by special	ist			RIV	VERINE RABBIT IMPA	ACT ASSESSMENT				
None identified by special	Mist									
None identified by special	".			SOCI	CIO-ECONOMIC IMPA	ACT ASSESSMENT				
None іденијіви <i>пу эргаа.</i>	ist			TERREST	RIAL BIODIVERSITY	Y IMPACT ASSESSMENT				
None identified by special	list									
None identified by special	. Itak				VISUAL IMPACT AS	SSESSMENT				
None identified by special	ist				WAKE EFFECT	T STUDY				
None identified by special	list									
					CONSTRUCTIO					
OCCUPATION OF LAND	Agricultural land directly occupied by the	DIRECT	STUDY	MEDIUM	POSSIBLE	ACT ASSESSMENT DEFINITE	LOW -	↑ The allowable development limit on land of low	REVERSIBLE	LOW -
OCCUPATION OF LAND	development infrastructure will become restricted		AREA	TERM	FOSSIBLE	<u></u>	LOW	and medium agricultural sensitivity with a land	NE VENSIBLE	
	for agricultural use, with consequent potential loss	CUMULATIVE	STUDY	MEDIUM	POSSIBLE	DEFINITE	LOW -	capability of < 8, as this site has been verified to	REVERSIBLE	LOW -
	of agricultural productivity for the duration of the project lifetime. The small and widely distributed		AREA	TERM	NO IMPAG	ACT		be, is 2.5 ha per MW. This would allow the proposed facility of 270 MW to occupy an	NO IMPA	PACT
	nature of the agricultural footprint of the facility				NO IIII A	CI		agricultural footprint of 675 hectares. The wind	NO IIV P	ACT
	means that only an insignificant proportion of the	1						facility being assessed will occupy an		
	available agricultural land is impacted in this way.	1						agricultural footprint of < 81 hectares. It is therefore confirmed that the agricultural		
	The potential cumulative agricultural impact of							footprint of this development will be well within		
	importance is a regional loss (including by							the allowable limit. It will in fact be		
	degradation) of future agricultural production potential.	1						approximately eight times smaller than what the development limits allow.		
		1								
	Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF									
	clusters construction timelines overlap. However, it		1					The state of the s		
	is important to note that the 5 WEFs and their		1					The state of the s		
	associated infrastructure are proposed by the same		1							
	developer and the FMPrs will be prepared to the		•							
	developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related									

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	to disturbance of agricultural system as no known construction activities are present on site.									
SOIL EROSION AND DEGRADATION	Erosion can occur as a result of the alteration of the land surface run-off characteristics, predominantly	DIRECT	STUDY AREA	SHORT TERM	PROBABLE	MODERATE	LOW -	Mitigation measures to prevent soil degradation are all inherent in the project design and / or are	REVERSIBLE	LOW -
	through the establishment of hard surface areas including roads. Soil erosion is completely	CUMULATIVE	STUDY AREA	SHORT TERM	PROBABLE	MODERATE	LOW -	standard, best-practice for construction sites. A system of storm water management, which will	REVERSIBLE	LOW -
	will be an inherent part of the road engineering on site and standard, best practice erosion control measures recommended and included in the EMPr, are likely to be effective in preventing soil erosion. Loss of topsoil can result from poor topsoil management during construction related excavations. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of agricultural system as no known construction activities are present on site.							engineering on site. Any occurrences of erosion must be attended to immediately and the integrity of the erosion control system at that point must be amended to prevent further erosion from occurring there. Any excavations done during the construction phase, in areas that will be re-vegetated at the end of the construction phase, must separate the upper 30 cm of topsoil from the rest of the excavation spoils and store it in a separate stockpile. When the excavation is back-filled, the topsoil must be backfilled last, so that it is at the surface. Topsoil should only be stripped in areas that are excavated. Across the majority of the site, including construction lay down areas, it will be much more effective for rehabilitation, to retain the topsoil in place. If levelling requires significant cutting, topsoil should be temporarily stockpiled and then re-spread after cutting, so that there is a covering of topsoil over the entire surface.		
					AQUATIC IMPACT	ACCECCIMENT				
VEHICULAR MOVEMENT	Loss of freshwater vegetation, associated habitat	DIRECT	LOCALISED	MEDIUM	POSSIBLE	SLIGHT	LOW -	★ All development footprint areas to remain as	REVERSIBLE	LOW -
(TRANSPORTATION OF CONSTRUCTION	·	CUMULATIVE	LOCALISED	TERM MEDIUM	POSSIBLE	MODERATE	MODERATE -	small as possible and vegetation clearing to be limited to what is essential;	REVERSIBLE	LOW -
MATERIALS)	in disturbances to soils, and increased risk of sedimentation/erosion; and Soil and stormwater contamination from oils and hydrocarbons originating from construction vehicles. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of aquatic habitats as no known construction activities are present on site.	NO-GO		TERM	NO IMPA	ACT		 Retain as much indigenous vegetation as possible; All vegetation removed as part of the site clearing activities (specifically where large areas need to be cleared) must be transported from the construction site (may not be stockpiled) and disposed of at a registered waste disposal facility; During construction of the surface infrastructure within the 100 m GN509 Zone of Regulation (e.g., access roads), regular spraying of non-potable water or the use of chemical dust suppressants, that are approved for use near freshwater ecosystems must be implemented to reduce dust and to ensure no smothering of vegetation within the freshwater 	NO IMP	ACT
REMOVAL OF VEGETATION AND	Earthworks could be potential sources of sediment, which may be transported as runoff into the	DIRECT	LOCALISED	MEDIUM TERM	POSSIBLE	SLIGHT	LOW -	features occurs from excessive dust settling. It must be noted that specifics as to what type of	REVERSIBLE	LOW -
ASSOCIATED	downgradient freshwater ecosystem areas;	CUMULATIVE	STUDY	MEDIUM	POSSIBLE	MODERATE	MODERATE -	dust suppressant (grey water vs. chemical dust	REVERSIBLE	LOW -

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DISTURBANCES TO SOILS	Exposure of soils, leading to increased runoff, and erosion, and thus increased sedimentation of the freshwater features; Increased sedimentation of the freshwater features, leading to smothering of the vegetation associated with the freshwater features; and Proliferation of alien and/or invasive vegetation as a result of disturbances. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of aquatic habitats as no known construction activities are present on site.	NO-GO	AREA	TERM	NO IMPA	ACT		suppressant) that will be utilised as part of the proposed development was not available at the time of assessment. Should this detail become available, it is recommended that the freshwater ecologist provide a statement on the suitability of the use of the proposed dust suppressant; The freshwater features outside the construction footprint not having authorised road crossings must be considered as no-go areas. No construction vehicles, nor construction personnel or vehicles may traverse through these freshwater features (except on approved road crossings); As far as possible, existing roads must be utilised to gain access to sites; Contractor laydown areas, and material storage facilities to remain outside of the freshwater features and their associated 100 m NEMA / GN509 ZoR as it would also help the proponent avoid the LN3 activities triggered within 100 m of watercourses; All vehicle re-fuelling is to take place in specifically designated re-fuelling areas that must be located outside of the 100 m NEMA / GN509 ZoR; and' No vegetation may be removed from the 100 m ZoR surrounding the freshwater features where no infrastructure is planned, as this provides a natural buffer zone around the freshwater features which plays a role in dispersing surface runoff into the freshwater features, and thus prevents sedimentation and erosion thereof.	NO IMPA	ACT
REMOVAL OF VEGETATION AND	Earthworks could be potential sources of sediment, which may be transported as runoff into the	DIRECT	LOCALISED	MEDIUM TERM	POSSIBLE	SLIGHT	LOW -	Though the proposed turbines are located outside the 100 m GN509 Zone of Regulation,	REVERSIBLE	LOW -
TOPSOIL AND ASSOCIATED	downgradient freshwater ecosystem areas; Disturbances of soils leading to increased alien	CUMULATIVE	STUDY AREA	MEDIUM TERM	POSSIBLE	MODERATE	MODERATE -	indirect impacts to the receiving freshwater environment are likely during construction,	REVERSIBLE	LOW -
STOCKPILING; GROUND-BREAKING AND EARTHWORKS RELATING TO FOUNDATIONS AND TRENCHES; MIXING AND CASTING OF CONCRETE FOR CONSTRUCTION PURPOSES; BACKFILLING OF EXCAVATED AND DISTURBED AREAS; AND MISCELLANEOUS ACTIVITIES BY CONSTRUCTION	vegetation proliferation within the terrestrial buffer zone surrounding the freshwater features, with the potential to affect the freshwater habitat; Altered runoff patterns within the local catchment of the freshwater features, potentially leading to increased erosion and sedimentation of the receiving freshwater environment; Potential impacts on the water quality of surface water runoff (when present) which may potentially enter the downgradient freshwater features and contamination of soils due to concrete casting; and Potential of backfill material entering the freshwater features, increasing the sediment loads therein.	NO-GO			NO IMPA	ACT		particularly on the freshwater features located downgradient of the turbines. As such appropriate mitigation measures are provided. The contractor laydown areas, material storage facilities, and the O&M building (if applicable) must remain outside of the freshwater features. It is also strongly recommended that these be located outside the 100 m NEMA / GN509 ZoR of the freshwater features. This in itself is considered a mitigation measure which complies with the mitigation hierarchy as advocated by the DFFE et al. (2013). With regards to ground-breaking activities outside the delineated extent of a freshwater	NO IMPA	ACT

ISSUE	DESCRIPTION OF IMPACT	NATURE OF	SPATIAL	TEMPORAL	CERTAINTY	SEVERITY /	SIGNIFICANCE	MITIGATION MEASURES	REVERSABILITY/	SIGNIFICANCE
13301	DESCRIPTION OF HAIT ACT	IMPACT	SCALE (EXTENT)	SCALE (DURATION)	SCALE (PROBABILITY/ LIKELIHOOD)	BENEFICIAL SCALE	PRE- MITIGATION	MITIGATION MEASURES	MITIGATION	POST- MITIGATION
ERSONNEL	Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of aquatic habitats as no known earthworks activities are present on site.							feature: O During excavation activities, the topsoil and vegetation must be stockpiled separately from other material outside the delineated extent of the freshwater features; Excavated materials must not be contaminated, and it must be ensured that the minimum surface area is taken up by any stockpiled materials. The mixture of the lower and upper layers of the excavated soil must be kept to a minimum, so as for later use as backfill material after construction has commenced; All exposed soils must be protected from wind using tarpaulins for the duration of the construction phase to prevent potential erosion and sedimentation of the freshwater features; Suitable drainage must be insured along the turbine foundations, in order to ensure that water does not pond or drain in a concentrated manner into the nearby freshwater features. This must be considered as part of the stormwater management plan and be overseen by the Environmental Control Officer (ECO); Construction of the proposed surface infrastructure may result in disturbance to the natural buffer zone surrounding the freshwater features which may result in the reduction of surface roughness. This can be mitigated by ensuring that no concentrated runoff from the surface infrastructure construction areas enter the freshwater features by installing silt traps or placing haybales down gradient of the construction footprint (until suitable basal vegetation cover has been restored) to ensure no sediment laden or concentrated runoff generates from the construction footprint; and It is highly recommended that an alien vegetation management plan be compiled during the planning phase and implemented concurrently with		

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								 ✓ With regards to concrete mixing on site: Concrete and cement-related mortars can be toxic to aquatic life. Proper handling and disposal must minimise or eliminate discharges into the freshwater features. High alkalinity associated with cement, can dramatically affect and contaminate both soil and ground water. The following measures must be adhered to:		

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CREATION OF NEW ROAD CROSSINGS WITHIN THE SOUT RIVER AND THE LOWER FOOTHILL TRIBUTARIES ASSOCIATED WITH THE KLEIN BRAK AND SOUT RIVER SYSTEMS AND CREATION OF NEW ROAD CROSSINGS WITHIN THE MOUNTAIN STREAM DRAINAGE LINES (NO RIPARIAN VEGETATION) AND UPPER FOOTHILL TRIBUTARIES (NO RIPARIAN VEGETATION) ASSOCIATED WITH THE KLEIN BRAK AND SOUT RIVER SYSTEMS	Earthworks and exposure of soil could result in sedimentation of the freshwater features, which may be transported as runoff into the downstream freshwater ecosystem areas and may smother vegetation associated with the freshwater features; Altered water quality (if surface water is present) as a result of vehicle movement and construction activities; and Proliferation of alien and/or invasive vegetation as a result of disturbances. Cumulative impact, on a localised scale, would be high should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of aquatic habitats as no known road work activities are present on site.	DIRECT CUMULATIVE NO-GO	STUDY AREA STUDY AREA	MEDIUM TERM MEDIUM TERM	POSSIBLE POSSIBLE NO IMPA	MODERATE SEVERE	MODERATE - HIGH -	completion of construction or used in the rehabilitation process. Rehabilitation of the construction footprint areas: All footprint areas which have been compacted must be ripped and revegetated with indigenous vegetation as soon as the construction activities have been completed. This will prevent soil erosion and the creation of gullies within the operational area; and The operational area must regularly be inspected for alien and invasive vegetation species which might have established due to the construction activity related disturbances. It is imperative that all construction works be undertaken during the dry periods when there is no flow within the freshwater features, and thus no diversion of flow would be necessary. It is also recommended that existing crossings through freshwater features be prioritised for upgrading rather than development of new crossings, where possible; The throughflow structures must be designed to ensure that the structures are geotechnically sound and that they are hydraulically stable, even if a 1:100 year flood event was to occur. The designs must include culverts installed intermittently to ensure a free draining landscape. It is recommended that a suitably qualified hydrologist be consulted to provide guidance on the relevant sizes and width requirements to ensure that hydraulic functioning of the system is maintained; In addition, the crossings must be designed such that should they be overtopped, they remain stable and do not lead to excessive downstream erosion and incision. It must be ensured that the final design accounts for appropriate wetting frequencies and patterns are maintained in the pre-development condition (with input from the freshwater ecologist, where necessary); The reaches of the freshwater features where no activities are planned to occur must be considered no-go areas. These no-go areas can be marked at a maximum distance of 5 m upstream and downstream of the proposed road upgrade crossing. This 5 m construction	REVERSIBLE REVERSIBLE NO IMP	LOW - LOW -
								Right of Way would allow for construction		

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								personal, vehicles (if applicable) to enter the freshwater feature crossing where the road is proposed to be constructed; The clearing of vegetation within the footprint area must be kept to a minimum to avoid unnecessary disturbance within the active channel; The removed vegetation must be stockpiled outside of the delineated boundary of a freshwater feature. The footprint areas of these stockpiles must be kept to a minimum, and may not exceed a height of 2 m. Should the vegetation not be suitable for reinstatement after the construction phase or be alien/invasive vegetation species, all material must be disposed of at a registered garden refuse site and may not be burned or mulched on site; See impact below with regards to excavation and soil compaction activities within the freshwater features. See impact above for control measures specific to concrete works.		
SITE PREPARATION PRIOR TO	Earthworks and exposure of soil could result in sedimentation of the freshwater features, which	DIRECT	STUDY AREA	MEDIUM TERM	POSSIBLE	MODERATE	MODERATE -	The construction footprint must be limited to a construction Right of Way that comprises a 5 m	REVERSIBLE	LOW -
CONSTRUCTION	may be transported as runoff into the downstream	CUMULATIVE	STUDY	MEDIUM	POSSIBLE	SEVERE	HIGH -	construction buffer (upstream and downstream	REVERSIBLE	LOW -
ACTIVITIES; REMOVAL OF VEGETATION AND	freshwater ecosystem areas and may smother vegetation associated with the freshwater	NO-GO	AREA	TERM	NO IMPA	<u> </u> ACT		of the freshwater ecosystem crossing) only. Lupgrading of the informal roads must take	NO IMP	ACT
ASSOCIATED SOIL	ecosystem areas; and Proliferation of alien and/or invasive vegetation as							cognisance of the delineated extent of the freshwater feature traversed by the existing		
DISTURBANCES TO SOIL; DISTURBANCES TO SOIL	a result of disturbances.							informal access road and that located within		
OF THE FRESHWATER								close proximity to the road. Should the road be		
FEATURES; MOVEMENT								increased in width, the road must be expanded		
OF CONSTRUCTION MACHINERY/ VEHICLES	moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it							on the side opposite of a freshwater feature, to ensure that the remaining natural buffer		
WITHIN THE	is important to note that the 5 WEFs and their							between the access road and the freshwater		
FRESHWATER	associated infrastructure are proposed by the same							feature remains intact;		
FEATURES; AND POSSIBLE SPILLS / LEAKS	developer and the EMPrs will be prepared to the same standard.							 Material to be used (gravel – if applicable) as part of the upgrading of the existing roads must 		
FROM CONSTRUCTION	No-go alternative would result in no impact related							be stockpiled outside the delineated extent of		
VEHICLES.	to disturbance of aquatic habitats as no known							the freshwater features (preferably at least 32		
	construction activities are present on site.							m from the freshwater feature) to prevent sedimentation thereof and to avoid any other		
								vegetation being impacted by the construction		
								activities. These stockpiles may not exceed a		
								height of 2 m and must be protected from wind using tarpaulins;		
								The disturbed area surrounding the road must		
								be revegetated with suitable indigenous		
								vegetation to prevent the establishment of alien vegetation species and to prevent erosion		
								from occurring;		
	1		1					,· -··· · · · · · · · · · · · ·		

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					LIKELIHOOD)			 ⚠ The alien vegetation management plan as compiled by the terrestrial/botanical ecologist is highly recommended and supported by the freshwater specialist and must be implemented concurrently with the commencement of construction; and ⚠ All existing alien and invasive vegetation must be removed. All material must be disposed of at a registered garden refuse site and may not be burned or mulched on site. ⚠ With regards to excavation and soil compaction activities within the freshwater ecosystems (including that associated with the installation of underground cabling) ⚠ Although the proposed freshwater ecosystems crossings upgrades are associated with generally existing farm roads, and as such the most significant impacts have already occurred, the existing gravel roads are relatively small with no formal through flow structures in most cases. The following are applicable with regards to excavation works and any concrete related activities: ⚠ During the excavation activities, any soil/sediment or silt removed from the freshwater feature may be temporarily stockpiled in the road reserve but outside the delineated extent of the freshwater feature. These stockpiles may not exceed 2 m in height, and their footprint must be kept to a minimum. Stockpiling of removed materials may only be temporary (may only be stockpiled during the period of construction at a particular site) and must be disposed of at a registered waste disposal facility; ⚠ During trenching activities, seepage water may be present within the trench-invariably this will be filled with silt and be muddy. Therefore, any seepage must not be discharged straight into the river channel but through a silt trapping area first before entering the downstream reach; ♠ Excavated materials must not be contaminated, and it must be ensured that the minimum surface area is taken up. Mixture of the lower and upper layers of the excavated soil must be kept to a minimum, for later		
								stored separately and may not be contaminated. Furthermore, the soil layers		

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					LIKELIHOOD)			must be placed in the same order and the topsoil returned last; Care must be taken to ensure that no scouring or erosion occurs as a result of the proposed culvert crossing. Installation of riprap or gabion mattresses and/or concrete aprons associated with any culverts; All construction material (with specific mention of prefabricated culvert structures) must be stockpiled in the laydown area and must only be imported to the construction site when required; Machinery/vehicles used to install culvert structures must be parked on the existing road surface and may not enter the freshwater features; and Reno-mattresses or riprap must be installed at the outlet side of the culvert/bridge structures to ensure energy dissipation and prevent concentrated runoff into the downstream freshwater feature. The reno mattress/riprap must be installed flush with the culvert outlet. See impact 3 above for control measures		
				1	VIFAUNAL IMPACT	TACCECCMENT		specific to concrete works.		
HABITAT DESTRUCTION	With the current proposed layout of up to 40	DIRECT	STUDY	SHORT	PROBABLE	SLIGHT	LOW -	★ The constraint areas identified by this study	ACHIEVABLE	LOW -
	turbines and associated infrastructure such as		AREA	TERM	_			(which build on those identified in the screening	-	
	roads, laydown areas, collector substations etc, the wind farm could impact on approximately 160	CUMULATIVE	STUDY AREA	SHORT TERM	PROBABLE	SLIGHT	LOW -	phase) should be adhered to. A pre-construction avifaunal walk down should	ACHIEVABLE	LOW -
	hectares of habitat for clearing. Given the relatively undisturbed nature of vegetation on site, most of this is likely to be natural vegetation. This is a small	NO-GO			NO IMPA	СТ		be conducted to confirm final layout and identify any sensitivities that may arise between the conclusion of the EIA process and	NO IMPA	ACT
	proportion of the overall site extent, and the habitat is neither particularly unique, nor threatened, or in limited availability. However, the fragmented nature of the remaining habitat will experience an "edge effect", whereby an area greater than the exact footprint of construction is affected by the impact under consideration. Of course, the effect on the avifaunal community is not as simple as the surface area affected. In addition to surface area alteration, the effect of large, dispersed infrastructure projects such as wind farms on birds is likely to be far more complex through factors such as habitat fragmentation, disruption of territories and other factors. These effects have however proven extremely difficult to measure. Since this habitat destruction is largely unavoidable, and our confidence in the effectiveness of habitat rehabilitation is uncertain, we anticipate that the impact significance will remain unchanged by mitigation.							the construction phase. All human activities associated with construction, operation and decommissioning should be strictly managed according to generally accepted environmental best practice standards, so as to avoid any unnecessary Impact on the receiving environment. Use should be made of existing roads as far as possible. All staff, vehicle and machinery activities should be strictly controlled at all times so as to ensure that the absolute minimum of surface area is impacted. Care should be taken not to introduce or propagate alien plant species/weeds during construction. Any underground cabling should follow roads at all times to reduce the impact on the habitat by grouping these linear infrastructures. Should more than one power line be		

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HABITAT DISTURBANCE	Effects of disturbance on birds are particularly likely during breeding and could include loss of breeding	DIRECT	STUDY AREA	SHORT TERM	PROBABLE	SLIGHT	LOW -	constructed in parallel with another either new or pre-existing power line, the pylon structures	ACHIEVABLE	LOW -
	productivity; temporary or permanent abandonment of breeding; or even abandonment	CUMULATIVE	STUDY AREA	SHORT TERM	PROBABLE	SLIGHT	LOW -	should be staggered as per Pallett et al. (2022) to increase visibility to large, slow-moving	ACHIEVABLE	LOW -
	of nest site. The avoidance measures (in the form of large No-go buffers) already taken to protect the various eagle nests and their breeding have reduced the significance of this impact to Low Negative significance pre-mitigation and it will remain Low Negative post-mitigation.	NO-GO		,	NO IMPA	СТ		species, especially bustards and cranes.	NO IMPA	АСТ
	2011 2011 2011				BAT IMPACT AS	SESSMENT				
MODIFICATION OF BAT HABITAT (ROOSTING,	Vegetation clearing for access roads, turbines and their service areas and other infrastructure, as well	DIRECT AND INDIRECT	STUDY AREA	SHORT TERM	PROBABLE	MODERATELY SEVERE	MODERATE -	Avoid: Limit potential for bats to roost in project	REVERSIBLE	MODERATE -
FORAGING, COMMUTING)	as noise and dust generated during the construction phase, will negatively and indirectly impact bats by	CUMULATIVE	STUDY AREA	LONG TERM	PROBABLE	SEVERE	HIGH -	infrastructure (e.g., buildings, turbines, road culverts) by ensuring they are properly sealed	REVERSIBLE	MODERATE-
	removing habitat used for foraging and commuting, through disturbance, and displacement (Kunz et al. 2007b, Millon et al. 2018, Bennun et al. 2021). This impact is likely to have species specific effects; clutter edge species (e.g., Cape serotine) are more likely to be impacted by habitat modification given their greater association with physical habitat features compared to high-flying species (e.g., Egyptian free-tailed bat). Construction of WEF infrastructure could result in destruction (direct impact) of bat roosts (rocky crevices, buildings) and disturbance (indirect impact) of bat roosts potentially resulting in roost abandonment. Bat mortality can occur if roosts which contain bats are destroyed. Installation of new infrastructure in the landscape (e.g., buildings, turbines, road culverts) can inadvertently provide new roosting spaces for some bat species, attracting them to areas with wind turbines and potentially increasing the likelihood of collisions. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of bat habitats.	NO-GO			NO IMPA	ASSESSMENT		such that bats cannot gain access. No construction activities at night. No placement of infrastructure (except roads) in no-go areas. Minimise: Minimise clearing of vegetation, minimise disturbance and destruction of farm buildings on site, minimise removal of trees, minimise disturbance and destruction of rocky outcrops, and where this is required, these features should be examined for roosting bats. This study assumes that all buildings and rocky outcrops are potentially roosts and must be buffered since numerous species use these features for roosting. Apply good construction abatement control practices to reduce emissions and pollutants (e.g., noise, erosion, waste) created during construction. Restore: Rehabilitate all areas disturbed during construction (including aquatic habitat).	NO IMPA	
LOSS OF HERITAGE	Construction activities pose the greatest threat to	DIRECT	STUDY	SHORT	MAY OCCUR	SLIGHT	LOW -	Stone Age remains occur abundantly in the	REVERSIBLE, EASILY	LOW -
RESOURCES: STONE AGE	tangible heritage resources within the cultural		AREA	TERM				project landscape where locally available raw	ACHIEVABLE	
OCCURANCES	landscape and it is often during this Phase that heritage sites are lost. Previously undetected		STUDY AREA	SHORT AND LONG TERM	MAY OCCUR	SLIGHT	LOW -	material for the manufacture of stone tools is available in the geological setting. Most of the	REVERSIBLE	LOW – AND LOW (+)
	cultural (archaeological) layers are usually	NO-GO						artefacts are probably Middle Stone Age (MSA)	NO IMPA	ACT

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIAL	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	superficial, subsoil layers and that makes them easily vulnerable to destruction and the likelihood for encountering additional cultural heritage sites as the land clearing process commences, or during construction of infrastructure should be considered. Cumulative impact: The low frequency of significant archaeological resources documented in the project area and in its immediate surroundings implies low-severity short and long-term impacts on the heritage landscape Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related							lithics such as blades, scrapers, chunks and cores produced on quartzite. Single possible Later Stone Age (LSA) microlithic tools were noted. Stone artefact scatters are usually located in areas with fluvial gravels along drainage lines, pans and within decomposing calcretes, rocky outcrops or ridges. Despite the high number of observations of artefacts, these resources are common and representative of similar scatters across widespread areas of the Karoo. The widespread but ephemeral scatters are often of low heritage value due to temporally mixed contexts and the frequent absence of faunal, organic and other cultural remains which is scattered over thousands of square kilometres of the Karoo. The Stone Age localities are not conservation-worthy and even though the resources may be destroyed during construction, the impact is inconsequential. Information on the layout of civil services such as access roads were made available to specialists at an advanced stage of this		
LOSS OF HERITAGE	to destruction of archaeological resources.	DIRECT	STUDY	SHORT	PROBABLE	MODERATE	MODERATE -	assessment and not all of these proposed access road alignments could be included in site	REVERSIBLE	MODERATE -
RESOURCES:	Significant archaeological resources such as a rock shelter (SRC02)and a corbel building (SRC01) may	DIRECT	AREA	TERM	PROBABLE	WIODERATE	WODERATE -	investigations. It is recommended that a	KEVEKSIBLE	WIODERATE -
ROCKSHELTER (SRc02)	be damaged during the construction phase.	CUMULATIVE	STUDY	SHORT	MAY OCCUR	SLIGHT	LOW -	suitably qualified archaeologist be appointed	25/526/2/5	
AND CORBEL BUILDING (SRC01)	Cummulative impact:		AREA	AND LONG TERM				during the Construction Phase to monitor vegetation clearing and excavation activities	REVERSIBLE	LOW –
(SICOL)	The low frequency of significant archaeological	NO-GO	<u> </u>	ILIXIVI				for the possible occurrence of archaeological		AND LOW (+)
	resources documented in the project area and in its immediate surroundings implies low-severity short and long-term impacts on the heritage landscape Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to destruction of archaeological resources.							material remains and features in these areas. Considering the localised nature of heritage remains, the general monitoring of the development progress by an ECO or by the heritage specialist is recommended for all stages of the project. Should any subsurface palaeontological, archaeological or historical material, or burials be exposed during construction activities, all activities should be suspended and the archaeological specialist should be notified immediately.	NO IMF	PACT
	to bear wellow of wremweblogical resources.				NOISE IMPACT AS	SSESSMENT				
CONSTRUCTION NOISE:	Daytime ambient sound levels could range from 35	DIRECT	LOCALISED	SHORT	UNLIKELY	SLIGHT	LOW -	→ The significance of the noise impact is low for	REVERSIBLE	LOW -
DAYTIME	dBA to more than 72 dBA, averaging at 45 dBA.			TERM				daytime construction activities and no		
	Daytime ambient sound levels are thus typical of a	CUMULATIVE	LOCALISED	SHORT	UNLIKELY	SLIGHT	LOW -	additional mitigation is required or	REVERSIBLE	LOW -
	rural noise district most of the times, though it is	NO 05		TERM				recommended. General measures are		A 67
	expected that introduced noises will be audible over large distances during quiet periods (during low wind conditions).	NO-GO			NO IMPA	СТ		recommended to ensure that annoyance with the project is minimised. It is therefore recommended that the applicant plan process access roads t pass further than 60m from	NO IMF	ACT

	SYI	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIAL	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	Various construction activities (development of access roads, laydown areas, the hard standing areas, excavation of foundations, concreting of foundations and the erection of the wind turbines, other infrastructure) taking place simultaneously during the day will increase ambient sound levels due to air-borne noise. Depending on the location of access roads, traffic noises may be audible during passing and could change the ambient sound levels at NSR staying within 100m from (potential) access routes. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related							residential dwellings of the identified NSR.		
CONSTRUCTION NOISE: NIGHTTIME	to daytime construction noise. Night-time ambient sound levels could range between 27 dBA to more than 64 dBA, averaging at	DIRECT	LOCALISED	SHORT TERM	PROBABLE	MODERATE	LOW -	The significance of the noise impact is low and additional mitigation is not required, yet some	REVERSIBLE	LOW -
		CUMULATIVE	REGIONAL	SHORT TERM	PROBABLE	MODERATE	LOW -	general management measures are included to ensure that the potential annoyance that	REVERSIBLE	LOW -
	this is likely due to the measurement period taking place during a period with increased wind speeds, resulting in more wind-induced noises. Ambient sound levels are expected to be low during period of low winds, and it is expected that introduced noises will be audible over large distances during quiet periods (during low wind conditions). Various construction activities (likely limited to the pouring of concrete as well as erection of WTG components) taking place simultaneously at night will increase ambient sound levels due to air-borne noise, using the criteria of the author. The projected noise levels, the change in ambient sound levels as well as the potential noise impact is defined per NSR. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to night-time construction noise.	NO-GO			NO IMPA	CT		may be created due to night-time construction noises are minimized. Potential mitigation measures would include: Minimizing night-time activities when working within 2,000m from any NSR. Work should only take place at one WTG location to minimize potential night-time cumulative noises (when working at night within 2,000m from NSR); The applicant must notify the NSR when night-time activities will be taking place within 1,000m from the NSR; and The applicant must plan the completion of noisiest activities (such a pile driving, rock breaking and excavation) during the daytime period (even though it is expected that it is highly unlikely that this may take place at night).	NO IMF	ACT

LISSOF PALAMONTOLOGICAL HERITAGE RESOURCE. HERITAGE RESOURCE. Consideration of sealings for development foliation. HERITAGE RESOURCE. Consideration and supplies for legislation of sealings for development foliation. HERITAGE RESOURCE. Consideration sample to Consideration hose. Consideration h		SYI	ITHESIS O	F SPECIAL	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
DISSOF PARADITION/COGICAL HERITAGE RESOURCES DISTURDANCE (spilling violable food) PARADITION/COGICAL HERITAGE RESOURCES DISTURDANCE (spilling violable) DISTUR	ISSUE		NATURE OF	SPATIAL SCALE	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-			SIGNIFICANCE POST- MITIGATION
PALADONOLOGICAL HERTAGE RISOURCES A remain prevented at the hereach the ground started bear of untimorned to development footpoint, expecully during the Contractorion Phase. AND GO NO IMPACT NO				T							
HERITAGE RESOURCES Which the development footpant, surface footpant is precised produced to the surface of the footpant footpant footpant in the circ Construction timelines overlap. However, it is important to note that the 5 WHSF, and dieter and development and the Faller's will be prepared to the same standard. Also go observable resources. Which will be prepared to the same standard. Also go observable resources. Which will be prepared to the same standard. Also go observable resources. WHORLITY FROM MONOCOULISON, BUSHMEAT HUNTING AND OTHER COULISON, BUSHMEAT HUNTING AND OTHER COULISON, BUSHMEAT HUNTING AND OTHER COULISON, BUSHMEAT HUNTING RANGE for the size will be a series as well as on the larger public reads on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as on the larger public reads on the size sevel as the size sevel		=	DIRECT	LOCALISED	LONG TERM	POSSIBILITY		LOW -		IRREVERSIBLE	LOW -
surface within the development fordigning, expectably during ground clearance or bedrook excavalians during the Construction Phase. **Commission funding the Construction Phase in the Per-Construction Phase in the Pe								1.0111	- · · · · · · · ·	1005115061015	
expectably during ground clearance or bedrock executions things the Construction Phase. Cumulative inspect, on a localised scale, would be accordanced from the Construction of the Const	HERITAGE RESOURCES		CUMULATIVE	LOCALISED	LONG TERM	POSSIBILITY		LOW -	· ·	IRREVERSIBLE	LOW -
accivations during the Construction Phase. Committee impact, on a localised stack, would be found souther VFF disters, construction immelies verying. However, it is important to note that the 8 VEFS and the advanced of the construction of the state of			NO CO			NO IMPA				NO IMP	ACT
MORTALITY FROM ROAD COLLISION, BUSHMEAT HUNTING AND OTHER CONSTRUCTION RELATED ACTIVITIES RELATED ACTIVITIES ROAD COLLISION, BUSHMEAT HUNTING AND OTHER CONSTRUCTION RELATED ACTIVITIES RELATED ACTIVITIES RELATED ACTIVITIES REVERSIBLE DIRECT STUDY SHORT AREA TERM PROBABLE SEVERE MODERATE AREA TERM NO-GO NO IMPACT NO		Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related							Ongoing monitoring for fossil remains of all substantial bedrock excavations and surface clearance activities by ECO during Construction Phase, with safeguarding and reporting of new palaeontological finds (notably fossil vertebrate bones & teeth) to SAHRA for possible specialist mitigation (See appended Chance Fossil Finds Protocol). Low Negative impact may also be partially offset by professional recording and collection of new fossil finds, which may be a compensatory positive outcome. Cumulative impacts: Anticipated cumulative impacts on local palaeontological heritage fall within acceptable limits based largely on the paucity of significant fossil sites recorded hitherto within the combined cluster project area and assumes that the proposed Pre-Construction and Construction Phase mitigation measures recommended for all		
Increase with the added traffic. This would potential be within the site as well as on the larger public roads to the site as well as on the larger public roads traversing through riverine habitatis that have been identified as Very high or high sensitivity. **Careful planning of roads to minimise the length of roads traversing through riverine habitats that have been identified as Very high or high sensitivity. **Lose existing roads as much as possible. **A REA TERM **NO IMPACT** **A RECO must be employed to demarcate areas for use during construction, and to ensure that the construction activities occur outside of the construction footprint. **Lose existing roads as much as possible. **A REA TERM **NO IMPACT** **A RECO must be employed to demarcate areas for use during construction activities occur outside of the construction footprint. **Lose existing roads as much as possible. **A neco must be employed to demarcate areas for use during construction activities occur outside of the construction footprint. **Lose exis					RIVE	RINE RABBIT IMPA	ACT ASSESSMENT		, and the second		
BUSHMEAT HUNTING AND OTHER CONSTRUCTION RELATED ACTIVITIES We within the site as well as on the larger public roads to the site such as the R381. This impact is likely to be of highest concern during construction but is also expected during operational phase. Roadkill is a significant source of mortality for riverine rabbits across their range. It is possible that the increase in traffic associated with construction would increase the probability of roadkill. As riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High	MORTALITY FROM	The probability of vehicle-related mortality will	DIRECT	STUDY	SHORT	PROBABLE	SEVERE	MODERATE -	↓	REVERSIBLE	LOW -
AND OTHER CONSTRUCTION RELATED ACTIVITIES ROAdkill is a significant source of mortality for riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High	ROAD COLLISION,	·		AREA	TERM				 Careful planning of roads to minimise the 		
RELATED ACTIVITIES but is also expected during operational phase. Roadkill is a significant source of mortality for riverine rabbits across their range. It is possible that the increase in traffic associated with construction would increase the probability of roadkill. As riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits of potential conflict (High) But is also expected during operational phase. Roadkill is a significant source of mortality for roads as much as possible. An ECO must be employed to demarcate areas for use during construction, and to ensure that the increase in traffic associated with construction activities remain within the designated area and that no unauthorised activities occur outside of the construction footprint. Periods should be curtailed. In addition, speed limits on both internal access WEF roads (40km/h) as well as external	AND OTHER	roads to the site such as the R381. This impact is				PROBABLE	SEVERE	MODERATE -			
Roadkill is a significant source of mortality for riverine rabbits across their range. It is possible that the increase in traffic associated with construction would increase the probability of roadkill. As riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High			NO-GO			NO IMPA	CT		,	NO IMPA	ACT
riverine rabbits across their range. It is possible that the increase in traffic associated with construction would increase the probability of roadkill. As riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High	NELATED ACTIVITIES										
the increase in traffic associated with construction would increase the probability of roadkill. As riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High		= -									
would increase the probability of roadkill. As riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High		= -									
riverine rabbit activity is 'crepuscular' (i.e., highest between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High											
between dusk and dawn), traffic during these periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High									_		
periods should be curtailed. In addition, speed limits (<40km) in areas of potential conflict (High									-		
limits (<40km) in areas of potential conflict (High									↓ Implementation of speed limits on both internal		
		limits (<40km) in areas of potential conflict (High							access WEF roads (40km/h) as well as external		
public Todas (Ookin/II).		sensitivity) can be implemented as this reduces							public roads (60km/h).		
collision risk, and a reduction of roads within the											
drainage should be considered. (both internal and external) cross High and											
Very high sensitivity areas identified.									Very high sensitivity areas identified.		
Bushmeat hunting and active interference with		Bushmeat hunting and active interference with							→ Wildlife warning signage and speed reduction		
Riverine Rabbits by construction employees may measures where roads cross High and Very high		Riverine Rabbits by construction employees may							measures where roads cross High and Very high		
also result in reduced Riverine Rabbit occurrence sensitivity areas.									The state of the s		
within the AoI All employees should be educated		within the AoI All employees should be educated							There is higher risk of collision when riverine		

ISSUE DESCRIPTION OF IMPACT	IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
thoroughly on the potential impact of huntin Aol, and encouraged to report any sighting species during construction to their line man according to their line man according to the Toaibos and Soutrivier WEF construction timelines overlap. However important to note that the 5 WEFs an associated infrastructure are proposed by the developer and the EMPrs will be prepared same standard. No-go alternative would result in no impact local Riverine Rabbit population.	gs of the anagers. would be followers er, it is and their the same and to the						rabbits are active which is typically from late afternoon to early morning. Traffic should be reduced during the early hours of the morning (04:00 – 09:00) and early evening (18:00 – 22:00). During these times a low speed limit (40km/h) needs to be implemented. **Night-time driving should be avoided as much as possible but if necessary, speed needs to be reduced significantly to avoid collisions. Lagomorph species (hares and rabbits) often freeze in headlights and require headlights to be momentarily turned off to allow the animal to move off the road. **Reduced speeds (40km/h) also need to be implemented during reduced visibility such as misty conditions that have been observed on the site. **Roadkill monitoring program needs to be implemented on both internal and external public roads targeting sensitive habitats and wildlife corridors. The program must be initiated at pre-construction phase and continued during construction and post-construction as well as conducted over different seasons. **Assess efficiency of roadkill mitigation approaches via a post-implementation roadkill monitoring program. **Education and awareness campaigns on riverine rabbits and their habitat must form part of staff induction procedures to help increase awareness, respect and responsibility towards the environment for all staff and contractors. **Any contractor employed for development work must ensure that no rabbit or hare species are disturbed, trapped, hunted or killed by them and their team during the construction phase. Conservation-orientated clauses should be built into contracts for construction personnel, complete with penalty clauses for non-compliance. **Induction must include reporting of any vehicle/wildlife collision or found roadkill alongside roads. **Any trenches built must have slopes that allow any dispersing rabbits that fall in to escape and must be backfilled.		

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIA	LIST REPORTS		
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				T				→ Prohibit open fires.		
LOSS OF HABITAT	The construction of roads, turbine hard-stands,	DIRECT	STUDY	SHORT	LIKELY	SEVERE	HIGH -	Locate developments away from identified	REVERSIBLE	LOW -
	roads and laydown areas will result in elevated	CHARLE ATD	AREA	TERM	111/513/	05\ /5D5		sensitive habitats for riverine rabbits, this	DEL/EDGIDLE	1.014
	levels of both noise and activity, which may displace potential Riverine Rabbits out of the AoI. Mitigation	CUMULATIVE	STUDY	SHORT	LIKELY	SEVERE	HIGH -	includes no go zones and buffer zones for	REVERSIBLE	LOW -
	should include minimizing noise and educating	NO-GO	AREA	TERM	NO IMPA	CT		turbine pads, electrical substations and housing facilities as well as construction laydown areas.	NO IMP	ACT
	workers. If done, the potential displacement of the	NO-GO			NO IIVIPA	CI		 ✓ Minimize project footprint by utilizing existing 	NO IIVIP	ACI
	species from home range is likely to be very low. As							roads and disrupted areas as much as possible.		
	there are limited areas of potentially suitable							★ Careful planning of road layout to minimise the		
	Riverine Rabbit on the site, this would be a largely							length of roads traversing riparian areas that		
	minimalised, thus requiring minimal mitigation.							have been identified as Very high or high		
								sensitivity which may create barriers and		
	Cumulative impact, on a localised scale, would be							fragment habitats.		
	high should the Taaibos and Soutrivier WEF clusters							An ECO must be employed to demarcate areas		
	construction timelines overlap. However, it is							for use during construction, and to ensure that		
	important to note that the 5 WEFs and their							the construction activities remain within the		
	associated infrastructure are proposed by the same							designated area and that no unauthorised		
	developer and the EMPrs will be prepared to the							activities occur outside of the construction		
	same standard.							footprint.		
	No-go alternative would result in no impact on the							→ Implement adequate dust control and erosion		
5105115511105	local Riverine Rabbit population.							control.	25,45261245	
DISTURBANCE	The construction of roads, turbine hard-stands,	DIRECT	STUDY	SHORT	LIKELY	SEVERE	HIGH -	△ Construction must occur outside of identified	REVERSIBLE	LOW -
THROUGH CONSTRUCTION	roads and laydown areas etc. will result in noise and activity, which may displace rabbits out of home	CUMULATIVE	AREA STUDY	TERM SHORT	LIKELY	SEVERE	IIICII	sensitive habitats for riverine rabbits, this includes no-go zones and buffer zones for	REVERSIBLE	LOW -
CONSTRUCTION	ranges. Noise effect from construction and	COMOLATIVE	AREA	TERM	LIKELY	SEVERE	HIGH -	turbine pads, electrical substations and housing	KEVEKSIBLE	LOW -
	associated human activities during this phase is	NO-GO	AREA	IERIVI	NO IMPA	CT.		facilities as well as construction laydown areas.	NO IMP	ACT
	highly probable and will likely reduce once the WEF	140-00			NO IIVIFA	Ci		An ECO must be employed to demarcate areas	IVO IIVIF	ACI
	is operational. Mitigation should include minimizing							for use during construction, and to ensure that		
	noise and educating workers. The buffered							the construction activities remain within the		
	sensitive habitats will also ensure construction and							designated area and that no unauthorised		
	associated disturbance noise is likely negligible. As							activities occur outside of the construction		
	a result, once mitigations are applied the potential							footprint.		
	disturbance and/or displacement of the species									
	from home range is likely to be low.							measures where possible on machinery.		
								→ Minimize noise disturbance during		
	Cumulative impact, on a localised scale, would be							constructions by restricting noise to day time		
	low should the Taaibos and Soutrivier WEF clusters							(9am – 5pm) periods when rabbits are less		
	construction timelines overlap. However, it is							active.		
	important to note that the 5 WEFs and their							Leading the construction phase is done in as a		
	associated infrastructure are proposed by the same							short period as possible.		
	developer and the EMPrs will be prepared to the same standard.									
	No-go alternative would result in no impact on the									
	local Riverine Rabbit population.									
				SOCI	O-ECONOMIC IMP	ACT ASSESSMENT				
TEMPORARY	During the construction phase, there will be	DIRECT	LOCAL	SHORT	DEFINITE	MODERATELY	SOME	Maximise local employment and local content	DIFFICULT	SOME
EMPLOYMENT	temporary employment associated with the			TERM		BENEFICIAL	BENEFITS	(the Project's direct sending area) through the		BENEFITS
	project. It has been established that approximately	CUMULATIVE	NATIONAL	SHORT	DEFINITE	MODERATELY	HIGH +	Preferential Procurement Plan and Contractor	DIFFICULT	HIGH +
	250 employment opportunities will become			TERM		BENEFICIAL		Services Management Plan (CSMP) for all		
								contractors that are used.		
	available over the 24-month construction period. Of	NO-GO			NO IMPA	CI		contractors that are asea.	NO IMP	ACT
	these about 55% will be allocated to unskilled, 30% to semi-skilled and 15% to skilled workers. Semi-	NO-GO			NO IMPA	CI		Involve the Ubuntu LM and PKSDM from the	NO IMP	ACT

	SYI	NTHESIS O	F SPECIAL	IST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	and lower skilled workers are usually required to perform electrical and civil duties (site clearing, excavation and casting of concrete foundations, stormwater reticulation, trenching, access roads, cable installations, structural steelwork, buildings, fencing, etc.); whereas higher skilled professionals entail Project Managers, Engineers, Environmental Control Officers and so forth. In addition to direct employment, the construction phase will have a positive spin-off effect on the economy (local, regional and national) through procurement of goods and services, with indirect and induced employment creation as result. Cumulative impact, on a localised scale, would be HIGH should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would not impact the SEIA ratings significantly.							possible). Determine their existing processes with regards to a labour desk and streamline employment processes between the various stakeholders. Appoint a Community Employer Relations Officer / CLO. Communicate with communities through this one channel to ensure transparency, limit unrealistic expectations and to avoid conflict.		
LOCAL PROCUREMENT	In order to meet or better targets set by the DMRE, the Developer is aiming for approximately 40% of	DIRECT	NATIONAL	SHORT TERM	DEFINITE	MODERATELY BENEFICIAL	MODERATE +	 Maximise local content of procurement by procuring from the local and regional study 	ACHIEVABLE	MODERATE +
	total capital expenditure to be local. It is anticipated that many of the high-technology turbine	CUMULATIVE	NATIONAL	SHORT	DEFINITE	MODERATELY BENEFICIAL	HIGH +	areas as far as possible. Do a value-chain analysis of services required	ACHIEVABLE	HIGH +
	components would be imported and that other technical components will be sourced from larger industrial areas in other parts of the province / country. Even though the Preferential Procurement Policy will only be formulated closer to the time, positive impacts on local and national economies are 'definite' since 25% of the DMRE scorecard is based on local content. Cumulative impact, on a localised scale, would be HIGH should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would not impact the SEIA ratings significantly.	NO-GO		TERM	NO IMPA			(directly and indirectly related to construction such as transport, laundry, catering, etc.). Communicate this to the PKSDM and Ubuntu LED Units at least 4 months prior to the tender process commencing in order for SMME's to prepare. Include minimum thresholds in the CSMP for local employment, BBEEE procurement, SMME targets, local services providers, etc.	NO IMPA	СТ
INDUCED LOCAL ECONOMIC IMPACTS	Expenditure during construction and the increase in household earnings due to temporary employment	DIRECT	NATIONAL	SHORT TERM	DEFINITE	SLIGHTLY BENEFICIAL	LOW +	 Maximise the Project's local content as far as possible. 	VERY DIFFICULT	LOW+
	result in various induced economic impacts and spin-offs for the local and regional economies, such	CUMULATIVE	NATIONAL	SHORT TERM	DEFINITE	SLIGHTLY BENEFICIAL	LOW +		VERY DIFFICULT	LOW+

ISSUE		NATURE OF	SPATIAL	TEMPORAL	CERTAINTY	SEVERITY /	SIGNIFICANCE	LIST REPORTS MITIGATION MEASURES	REVERSABILITY/	SIGNIFICANCE
ISSUE	DESCRIPTION OF IMPACT	IMPACT	SCALE (EXTENT)	SCALE (DURATION)	SCALE (PROBABILITY/ LIKELIHOOD)	BENEFICIAL SCALE	PRE- MITIGATION	MITIGATION MEASURES	MITIGATION	POST- MITIGATION
	as:	NO-GO			NO IMPA	СТ			NO IMPA	ACT
	Business opportunities for the service and									
	manufacturing industries (locally and nationally),									
	e.g. transport, Personal Protective Equipment,									
	maintenance work, general consumables, civil works;									
	improvement of income levels with higher									
	spending benefits and spin-offs for local									
	businesses, retail, sales, leisure and hospitality,									
	real estate, etc.;									
	Local accommodation facilities that house the									
	workers sourced from outside the direct									
	Project sending area and spin-offs for the									
	tourism industry.									
	Since at least 20% of the South African workforce									
	has to be residents from local communities a large portion of these induced impacts will manifest									
	locally. Definite positive impacts of 'low									
	significance' will manifest.									
	Wallet loose b									
	Cumulative impact, on a localised scale, would be									
	low should the Taaibos and Soutrivier WEF clusters									
	construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would not impact the SEIA ratings									
RAINING / SKILLS	significantly. An important outcome of training and skills	DIRECT	REGIONAL	SHORT	DEFINITE	SLIGHTLY	LOW +	★ Where feasible, the Developer should:	ACHIEVABLE	MODERATE +
	significantly.	DIRECT	REGIONAL	SHORT TERM	DEFINITE	SLIGHTLY BENEFICIAL	LOW +	✓ Where feasible, the Developer should:✓ Make the skill requirements clear to the	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills		REGIONAL REGIONAL		DEFINITE DEFINITE		LOW + MODERATE +	•	ACHIEVABLE ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing			TERM		BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force.		
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term.			TERM SHORT		BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development		MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		 Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on 	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place:	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		 Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic 	ACHIEVABLE	MODERATE +
TRAINING / SKILLS DEVELOPMENT	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		 Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior 	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes.	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting,	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		 Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) 	ACHIEVABLE	MODERATE +
TRAINING / SKILLS DEVELOPMENT	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training,	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training, quality management, legal compliance or	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district municipalities in advance so that they are	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: A On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training, quality management, legal compliance or business skills.	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		 Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district municipalities in advance so that they are prepared and equipped to take part in the 	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training, quality management, legal compliance or business skills. Consultation with the affected local and district	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district municipalities in advance so that they are prepared and equipped to take part in the tender process.	ACHIEVABLE	MODERATE +
-	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training, quality management, legal compliance or business skills. Consultation with the affected local and district municipalities however identified a great need for	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district municipalities in advance so that they are prepared and equipped to take part in the tender process. Require larger contractors to work with small	ACHIEVABLE	MODERATE +
	An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: \(^\) On-site training so that workers can safely perform their duties; and \(^\) Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training, quality management, legal compliance or business skills. Consultation with the affected local and district municipalities however identified a great need for training and capacity building as most of the	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		 Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district municipalities in advance so that they are prepared and equipped to take part in the tender process. Require larger contractors to work with small SMMEs to train and transfer skills and include 	ACHIEVABLE	MODERATE +
	significantly. An important outcome of training and skills development is that it increases the employability of a region's workforce, resulting in enhanced economic opportunities and thus addressing poverty alleviation over the medium to long term. During the construction phase the following training initiatives would usually take place: On-site training so that workers can safely perform their duties; and Training by contractors to maintain their own BBEEE level, such as health and safety legislation training, first aid, fire-fighting, construction skills, basic electrical training, quality management, legal compliance or business skills. Consultation with the affected local and district municipalities however identified a great need for	CUMULATIVE		TERM SHORT	DEFINITE	BENEFICIAL SLIGHTLY BENEFICIAL		Make the skill requirements clear to the municipalities in advance and do a skills analysis of the available labour force. Implement a SMME skills development programme and do certification (training on how to tender, understanding contracts, basic business skills, etc.) at least 4 months prior inviting SMMEs to tender and involve the relevant LED Units in the programmes. Do a Value-chain analysis of services required (directly and indirectly related to construction) and communicate this to local and district municipalities in advance so that they are prepared and equipped to take part in the tender process. Require larger contractors to work with small	ACHIEVABLE	MODERATE +

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ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	requirements and the local communities' / SMME's abilities to provide the required services. It would							 Capacitate the local government structures by involving them as early as possible in the 		
	thus be to the advantage of the Project if on-the-job							Project; remain transparent throughout the		
	training is implemented, especially for unskilled							processes.		
	workers.							Negotiate a MoU with the municipalities so		
	Cumulative impact, on a localised scale, would be							that each role-player is clearly aware of its		
	low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is							roles, responsibilities and timelines in the Project processes.		
	important to note that the 5 WEFs and their							Lack processes. Lack Establish an EMC or similar Forum for the		
	associated infrastructure are proposed by the same							duration of construction to aid communication		
	developer and the EMPrs will be prepared to the							and transparency. Members of the EMC /		
	same standard.							Forum to meet on a quarterly basis to discuss		
								issues that may arise during the course of the		
	No-go alternative would not impact the SEIA ratings							construction period (if feasible).		
	significantly.									
EMPLOYMENT EQUITY	Statistics obtained from the IP4 overview (DMRE, December 2021) indicate that during the	DIRECT	REGIONAL	SHORT TERM	DEFINITE	MODERATELY SEVERE	LOW +	 Obtain inputs from the local and district municipalities on the contents of the 	ACHIEVABLE	MODERATE +
	construction phases, Black South African citizens,	CUMULATIVE	REGIONAL	SHORT	DEFINITE	MODERATELY	LOW +	Procurement strategy and Employment Equity	ACHIEVABLE	MODERATE +
	Youths and rural local communities have primarily			TERM		SEVERE		Plan to be implemented.		
	been the beneficiaries of RE projects, as they	NO-GO			NO IMPA	CT		→ Set targets for the employment of Youth,	NO IMP	ACT
	respectively represent 81%, 44% and 48% of total job opportunities created by IPP's to date.							women and the disabled in the respective CSMPs.		
	However, woman and the disabled could still be							CSIVIF 5.		
	significantly empowered as they represent a mere									
	10% and 0.4% of total jobs created.									
	Pre-mitigation positive impacts of employment									
	equity will hold benefits of 'low overall significance'									
	if only the DMRE's minimum requirements are									
	implemented. With mitigation, the intensity of the									
	impact will increase, and the overall significance can be increased to hold 'moderate benefits'.									
	be increased to floid finderate benefits.									
	Cumulative impact, on a localised scale, would be									
	low should the Taaibos and Soutrivier WEF clusters									
	construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would not impact the SEIA ratings									
IMPACTS ASSOCIATED	significantly. Negative impacts that could manifest for local	DIRECT	REGIONAL	SHORT	PROBABLE	MODERATELY	MODERATE -	Employment / Temporary construction workers:	ACHIEVABLE	LOW -
WITH AN INFLUX OF	communities and the local and district	DIRECT	REGIONAL	TERM	FINODABLE	SEVERE	WIODERATE -	 Clearly identify the beneficiary communities / 	ACHIEVADLE	LOW-
JOBSEEKERS /	municipalities due to an influx of jobseekers /	CUMULATIVE	REGIONAL	SHORT	PROBABLE	MODERATELY	MODERATE -	labour sending area and compile the	ACHIEVABLE	LOW -
TEMPORARY	temporary construction workers include:			TERM		SEVERE		employment strategy in collaboration with the		
CONSTRUCTION	Conflict between locals and 'outsiders' if the	NO-GO		•	NO IMPA			affected municipalities' LED Units.	NO IMP	ACT
WORKERS	outside labour force receives preference;							 Contractually oblige contractors and sub- 		
	Conflict due to cultural differences;							contractors to only source labour through the		
	Increase in the size and number of informal							labour desk / job registration database and		
	settlements and additional pressure on local government for housing and related services;							make this known to the target communities. Mork through limited communication channels		
	Bovernment for mousing and related services,		<u> </u>					Work an ough limited communication chainless		

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 ▲ Increase in the unemployment rate if jobseekers and/or workers do no return to their places of residence post construction; ▲ Unwanted pregnancies, an increase in HIV/AIDS and other sexually transmitted diseases (STDs) and additional pressure on health care services; ▲ An increase in single parent households and a subsequent reliance on social grants; ▲ An increase in drug and alcohol abuse and other social issues should unemployment levels increase. Poor conduct of construction workers and inadequate management of the construction site could result in health and safety risks for landowners that include: ▲ Unauthorized access / trespassing resulting in theft, stock poaching, safety and security issues as well as potential damage to the veld and natural grazing; ▲ Fire hazards at the construction site and the possibility of fires spreading and damaging surrounding farmland and infrastructure; ▲ Pollution problems, flies, rodents and pests and possible contamination of water resources (insufficient sanitation facilities, littering and refuse) and so forth. In terms of security, landowners and community members could easily consider this construction project as the catalyst should local crime levels and stock theft increase and affect their quality of life. Landowners in and around the study area describe their environment as extremely safe and peaceful with minimal / low levels of crime. Impacts that relate to an influx of construction workers would increase if contractors and subcontractors refrain from using the labour desk and prefer to bring in their own workforce. The Developer's commitment to maximize local labour, design the recruitment process in conjunction with the municipalities and implement relevant security measures for the duration of construction is thus essential. Cumulative impact, on a localised scale, would be MODERATE should the Taaibos and Soutrivi							(e.g. Ward Councillors and the Employer Relations Officer / CLO). Be vigilant not to raise unrealistic expectations amongst the local communities and workers with regards to employment, skills requirements, local procurement and so forth. Ensure transparency through the Ward Councillors, CLO and the EMC / Forum. No recruitment of temporary workers at the access to the construction site. As part of their Social Management Plan's (SMP's), contractors to provide a transport and housing plan: (i) no workers are allowed to be housed on site or in informal housing / settlements; (ii) allow workers that do not live nearby time to return to their families at regular intervals or over weekends. No workers to remain on site after shifts. It is also recommended that the Developer embarks on a Social Awareness Campaign for the workforce that focuses on sexual health, unwanted pregnancies and related social issues. Security, safety and environmental health: 24-hour security, demarcate and fence the construction site (if possible), material stores to be secured, access control and no trespassing of workers outside designated construction areas. Join the local community policing forum or similar initiative for the duration of construction. Keep the local SAPS, other emergency services, Ward Councillors, landowners and other relevant stakeholders informed about the construction progress and time-lines. Develop a Fire / Emergency Management Plan in conjunction with affected and neighbouring landowners. Dispose of the various types of waste generated in the appropriate manner at licensed waste landfill sites at regular intervals. Comply with the waste management plan compiled for the construction phase. Display "danger" warning signs and "no public access" signs at all potential accesses, paths and along the periphery of the construction areas in English and the local languages. If water for construction is obtained from a natural water resource, comply with the Water Use Licence conditions for the duration of the c		

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	No-go alternative would not impact the SEIA ratings significantly.							 Ensure implementation of the provisions of the Occupational Health and Safety Act No. 85 of 1993 and adhere to the Emergency and Safety plan procedures for the duration of the construction phase. Awareness / community engagement: Keep open communication channels with the landowners and address any potential issues as a matter of priority. Make contact details of the main contractor and procedures to lodge complaints available to landowners and the local communities through the Ward Councillors and EMC / Forum. Make a complaints register / log book available at the entrance to the construction site and act immediately should issues arise. Consult with surrounding landowners whose livestock, private residences and other infrastructure could be affected by dust, noise and other impacts that result from traffic movement and general construction activities. Where required, draw up a land use management plan with individual landowners to protect livestock and farmland, which addresses restricted access areas, procedures when farm gates are opened and closed and so forth. Rehabilitate the veld to its original state post construction. 		
LAND USE IMPACTS	Main land uses in the study area pertain to livestock farming (mainly sheep and goat) and grazing for	DIRECT	LOCALISED	SHORT TERM	DEFINITE	SLIGHT	LOW -	 Rehabilitate the veld to its original state post construction. 	VERY DIFFICULT	LOW -
	game. The land has a long term grazing capacity of 24 to 28 hectares per large stock unit (LSU). Small	CUMULATIVE	LOCALISED	SHORT TERM	DEFINITE	SLIGHT	LOW -		VERY DIFFICULT	LOW -
	patches of cultivation can be found along water courses and in close proximity to farmsteads. Farms are also used for residential and leisure purposes, albeit farmsteads are scattered and dispersed and the nearest farmstead is located about 1 km from a turbine. No direct impacts on residential land uses are therefore foreseen. For the duration of the short-term construction period no grazing is possible at the construction site/s. Should 32 turbines be constructed, the area cleared of vegetation for construction amounts to 124.68 ha (4.5 LSU), which has a negligible direct impact on grazing land uses. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is	NO-GO			NO IMPA	ACI			NO IMP	ACI

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	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the same standard.									
	No-go alternative would not impact the SEIA ratings									
	significantly.									
INTRUSION IMPACTS	Intrusion impacts could indirectly impact	DIRECT	STUDY	SHORT	DEFINITE	MODERATELY	MODERATE -		DIFFICULT	MODERATE -
	agricultural land uses, thereby having a negative		AREA	TERM		SEVERE		any potential noise and dust impacts.		
	effect on incomes of landowners, such as:	CUMULATIVE	STUDY	SHORT	DEFINITE	MODERATELY	MODERATE -	→ Proper planning, management and	DIFFICULT	MODERATE -
	Northwest construction would be that do not		AREA	TERM		SEVERE		rehabilitation of all construction sites to forego		
	A Negligent construction workers that do not	NO-GO			NO IMPA	ACT		the visual impacts of the construction activities,	NO IMI	PACT
	close / lock farm gates resulting in animals that go missing and/or mix with animals in different							as proposed in the VIA (Nuleaf Planning & Environmental, October 2022).		
	breeding groups / cycles, potentially									
	introducing diseases into herds;							△ Discuss construction timelines with landowners		
	Livestock that is killed on access roads if drivers							so that grazing of livestock can take place away		
	do not adhere to speed limits and traffic rules;							from construction areas.		
	Dust that impact the quality of wool and/or							Collaborate with the necessary road		
	dust that settle on grazing land and have an							management agencies when road closures are		
	impact on livestock carrying capacity;							required and advertise alternative routes in		
	 Possible noise impacts; and 							advance.		
	Construction activities that hamper the							Impose penalties for reckless drivers as a way		
	farmers' access to their own farms.							to enforce compliance to traffic rules.		
	The increase in traffic could result in the									
	degradation of road surfaces and speeding /									
	negligent drivers could cause accidents and fatalities, subsequently placing pressure on local									
	emergency, disaster management and health care									
	services (fire, ambulance, police services, etc.).									
	Abnormal vehicles that transport large project									
	infrastructure could also necessitate intermittent									
	road closures.									
	Cumulative impact, on a localised scale, would be									
	low should the Taaibos and Soutrivier WEF clusters									
	construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would not impact the SEIA ratings significantly.									
HEALTH AND SAFETY	Health and safety risks for workers and the broader	DIRECT	LOCALISED	SHORT	MAY OCCUR	SEVERE	MODERATE -	★ Ensure implementation of the provisions of the	ACHIEVABLE	LOW -
RISKS FOR WORKERS	community are possible to manifest. Community			TERM		32.2 <u>.</u>		Occupational Health and Safety Act (Act No. 85		
	health and safety risks are associated with the	CUMULATIVE	LOCALISED	SHORT	MAY OCCUR	SEVERE	MODERATE -	of 1993) and adhere to the Emergency and	ACHIEVABLE	MODERATE -
	inflow of workers. The Occupational Health and			TERM	<u> </u>			Safety plan procedures for the duration of the		
	Safety Act (Act No. 85 of 1993) makes provision for	NO-GO			NO IMPA	ACT		construction phase.	NO IME	PACT
	the health and safety of workers at construction							Promote good conduct of employees through		
	sites. These risks are broadly associated with:							awareness campaigns. It is also recommended		
	Construction related accidents due to							that the Developer embarks on a Social		
	structural safety of Project infrastructure, possibly							Awareness Campaign for the workforce that		
	resulting in fatalities;							focuses on sexual health, unwanted		
	Dust generation and air pollution resulting							pregnancies and related social issues.		

SYNTHESIS OF SPECIALIST IMPACTS AS EXTRACTED FROM THE SPECIALIST REPORTS ISSUE DESCRIPTION OF IMPACT NATURE OF SPATIAL TEMPORAL CERTAINTY SEVERITY SIGNIFICANCE MITIGATION MEASURES REVERSABILITY/ SIGNIFICANCE MITIGATION POST-													
ISSUE	DESCRIPTION OF IMPACT							MITIGATION MEASURES					
	in respiratory diseases; High ambient noise levels caused by machinery and construction equipment, resulting in loss of hearing or other similar health issues; Dehydration, sunburn and related issues for workers due to unsafe and insufficient drinking water and high temperatures during summer months; and An increase in HIV/AIDS and other STDs due to prostitution activities and temporary sexual relationships with local women and unwanted pregnancies that place further pressure on Basic Health Care Services. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would not impact the SEIA ratings							 Contractors to provide a housing plan that makes provision for workers that do not live nearby to return to their families at regular intervals or over weekends. Provide safe and clean drinking water and instil regular water breaks to keep workers hydrated. Provide sufficient ablution facilities (chemical/portable toilets, etc.) at strategic locations that are cleaned regularly. Keep the local police, emergency and ambulance services informed of construction times and progress. 					
	significantly.			TERRESTA	RIAL BIODIVERSITY	IMPACT ASSESSMENT							
POTENTIAL	Permanent or temporary loss of indigenous	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	→ Blanket clearing of vegetation must be limited	DIFFICULT	LOW -			
TERRESTRIAL	vegetation cover because of site clearing. Site	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	to the site. No clearing outside of required	DIFFICULT	LOW -			
BIODIVERSITY IMPACTS	clearing before construction will result in the	NO-GO			NO IMPA	CT		footprint required for construction to take	NO IMPA	ACT			
VEGETATION	blanket clearing of vegetation within the affected footprint. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on vegetation.							 place. Topsoil must be striped and stockpiled separately during site preparation and replaced on completion where revegetation will take place. Any site camps and laydown areas requiring clearing must be located within already disturbed areas as far as possible, or away from watercourses, alluvial areas and other sensitive features (rocky outcrops). 					
POTENTIAL	Loss of flora species of special concern during pre-	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	A flora search and rescue is recommended	REVERSIBLE	LOW -			
TERRESTRIAL	· · · · · · · · · · · · · · · · · · ·	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	before commencement.	REVERSIBLE	LOW -			
BIODIVERSITY IMPACTS	of concern are known from surrounding areas, which could be destroyed during site preparation.	NO-GO			NO IMPA	CT		A Respective permits to be obtained beforehand.	NO IMPA	ACT			
FLORA SPECIES	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on floral species.												

	SYI	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXTR	RACTED FROM	THE SPECIAL	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
POTENTIAL TERRESTRIAL	Susceptibility of post construction disturbed areas to invasion by exotic and alien invasive species and	DIRECT	LOCALISED	SHORT TERM	DEFINITE	SLIGHT	LOW -	Alien trees and weeds must be removed from the site as per CARA/ NEMBA requirements.	REVERSIBLE	LOW -
BIODIVERSITY IMPACTS	removal of exotic and alien invasive species during construction. Post construction disturbed areas	CUMULATIVE	LOCALISED	SHORT TERM	DEFINITE	SLIGHT	LOW -	A suitable weed and alien invasive plant management plan to be implemented in	REVERSIBLE	LOW -
ALIEN INVASIVE SPECIES	having no vegetation cover are often susceptible to invasion by weedy and alien species, which can not only become invasive but also prevent natural flora from becoming established. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on alien invasive species.	NO-GO			NO IMPA	टा		construction and operation phases. After clearing and construction is completed, an appropriate cover crop may be required, should natural re-establishment of grasses not take place in a timely manner, such as along road verges. This will also minimise dust.	NO IMPA	СТ
POTENTIAL TERRESTRIAL	Susceptibility of some areas to erosion because of construction related disturbances. Removal of	DIRECT	LOCALISED	SHORT TERM	POSSIBLE	SLIGHT	LOW -	∴ Suitable measures must be implemented in areas that are susceptible to erosion. Areas	REVERSIBLE	LOW -
BIODIVERSITY IMPACTS	vegetation cover and soil disturbance may result in some areas being susceptible to soil erosion after	CUMULATIVE	LOCALISED	SHORT TERM	POSSIBLE	SLIGHT	LOW -	must be rehabilitated, and a suitable cover crop planted once construction is completed.	REVERSIBLE	LOW -
EROSION	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on erosion.	NO-GO			NO IMPA	CT .		 Topsoil must be stripped and stockpiled separately and replaced on completion. If natural vegetation re-establishment does not occur, a suitable grass must be applied. 	NO IMPA	СТ
POTENTIAL	Disturbances to ecological processes: Activity may	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	Blanket clearing of vegetation must be limited	DIFFICULT	LOW -
TERRESTRIAL BIODIVERSITY IMPACTS	result in disturbances to ecological processes such as fragmentation (road, etc).	CUMULATIVE NO-GO	LOCALISED	PERMANENT	DEFINITE NO IMPA	SLIGHT CT	LOW -	to the development footprint, and the area to be cleared must be demarcated before any clearing commences.	DIFFICULT NO IMPA	LOW -
ECOLOGICAL PROCESSES	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on ecological processes.									
POTENTIAL	Aquatic and Riparian processes: Diversion and	DIRECT		PERMANENT	DEFINITE	MODERATE	MODERATE -	A Suitable structures to be constructed at	REVERSIBLE	LOW -
TERRESTRIAL RIODIVERSITY IMPACTS	=		LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	watercourse crossings that do not alter flows.	REVERSIBLE	LOW -
AQUATIC AND RIPARIAN PROCESSES	to the hydrological regime and increased potential for erosion. Impact of changes to water quality. Loss of riparian vegetation / aquatic habitat. Loss of	NO-GO			NO IMPA			Stormwater discharge into watercourses to be protected against erosion.	NO IMPA	Ci

	SYN	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	species of special concern. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on aquatic and riparian processes.									
POTENTIAL	Loss of Faunal Habitat: Activity may result in the loss	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	→ Blanket clearing of vegetation must be limited	DIFFICULT	LOW -
TERRESTRIAL BIODIVERSITY IMPACTS	of habitat for faunal species, which could result in disturbance and displacement of faunal species.	CUMULATIVE NO-GO	LOCALISED	PERMANENT	DEFINITE NO IMPA	SLIGHT	LOW -	to the construction footprint required. A Rocky outcrop areas and Riverine Rabbit	DIFFICULT NO IMPA	LOW -
FAUNAL HABITAT POTENTIAL	Cumulative impact, on a localised scale, would be XX should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on XX.	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	LOW -	Habitat to be avoided as far as possible. It is important that clearing activities are kept to the minimum and take place in a phased manner, where applicable. This allows any smaller animal species to move into safe areas and prevents wind and water erosion of the cleared areas. The habitats and microhabitats present on the	DIFFICULT	LOW -
TERRESTRIAL	Impacts to faunal processes because of the activity such as erection of barriers to movement.	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	LOW -	project site are not unique and are widespread	DIFFICULT	LOW -
FAUNAL PROCESSES	Cumulative impact, on a localised scale, would be XX should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on XX.	NO-GO			NO IMPA			in the general area, hence the local impact associated with the footprint would be of low significance if mitigation measures are adhered to. * Small mammals within the habitat on and around the affected area are generally mobile and likely to be transient to the area. They will most likely vacate the area once construction commences. As with all construction sites there is a latent risk that there will be some accidental mortalities. Specific measures are made to reduce this risk. The risk of species of special concern is low, and it is unlikely that there will be any impact to populations of such species because of the activity. * Reptiles such as lizards are less mobile compared to mammals, and some mortalities could arise. It is recommended that a faunal search and rescue be conducted before construction commences, although experience has shown that there could still be some mortalities as these species are mobile and may thus move onto site once construction is underway. A retile handler should be on call for such circumstances. * Should any amphibian migrations occur between wetland areas during construction,	NO IMP	

	<u>SYI</u>	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXTR	RACTED FROM	THE SPECIA	LIST REPORTS		
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								appropriate measures (including temporarily suspending works in the affected area) should be implemented.		
POTENTIAL	Loss of faunal SSC due to construction activities:	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	→ A pre-commencement faunal search and rescue	DIFFICULT	LOW -
TERRESTRIAL	Activities associated with bush clearing, killing of	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	is recommended.	DIFFICULT	LOW -
BIODIVERSITY IMPACTS	perceived dangerous fauna, may lead to increased	NO-GO			NO IMPA	СТ		Respective permits to be obtained beforehand.	NO IMP	ACT
	mortalities among faunal species.							No animals are to be harmed or killed during		
FAUNAL SPECIES								the course of operations.		
	Cumulative impact, on a localised scale, would be							→ Workers are NOT allowed to snare any faunal		
	moderate should the Taaibos and Soutrivier WEF							species.		
	clusters construction timelines overlap. However, it									
	is important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would result in no impact on faunal species.									
POTENTIAL RISKS TO	The development may fragment an already highly	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	Minimising the project footprint by utilising	DIFFICULT	LOW -
FAUNA SPECIES OF	fragmented landscape which may create barriers to	CUMULATIVE		PERMANENT	DEFINITE	MODERATE	MODERATE -	existing roads and disturbed areas as much as	DIFFICULT	LOW -
CONSERVATION	geneflow where subpopulations are disconnected	NO-GO	LOCALISED	PERIVIAINEINI	NO IMPA		WIODERATE -	technically possible.	NO IMP	
CONCERN:	and isolated. Roads and fences can affect the	140-40			NO IIVIFA	CI		Locate developments away from identified	INO IIVIFA	ACI
60.1162 11111	quality and quantity of available habitat, most							sensitive habitats, this includes no go zones and		
HABITAT LOSS,	notably through fragmentation, creating barriers to							buffer zones for turbine pads, electrical		
DEGRADATION AND	animal movement. Erosion from construction may							substations and housing facilities as well as		
FRAGMENTATION	degrade the habitat and direct loss of habitat will							construction laydown areas.		
	occur due to necessity of access roads.							→ Implementing adequate dust control and		
								erosion control.		
	Cumulative impact, on a localised scale, would be									
	moderate should the Taaibos and Soutrivier WEF							length of roads traversing through riverine		
	clusters construction timelines overlap. However, it							habitats and rocky ridges that have been		
	is important to note that the 5 WEFs and their							identified as Very high or high sensitivity which		
	associated infrastructure are proposed by the same							may create barriers and fragment habitats.		
	developer and the EMPrs will be prepared to the							▲ Establish wildlife passes, where artificial		
	same standard.							barriers are found; this particularly refers to		
	No-go alternative would result in no impact on							physical barriers such as roads and fences.		
	habitat loss, degradation and fragmentation with regards to faunal species.							Develop and implement a site-specific spill management plan.		
POTENTIAL RISKS TO	Disturbance will be primarily in the form of visual	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	→ Implementing adequate noise reduction	DIFFICULT	LOW -
FAUNA SPECIES OF	and noise effects as well as general human			PERMANENT	DEFINITE	MODERATE	MODERATE -	measures, including the use of insulation to	DIFFICULT	LOW -
CONSERVATION	activities. Visual stimuli from movements of the	NO-GO	LOCALISED	· EINFIAITEITI	NO IMPA		MODERATE	reduce noise output from turbine hubs.	NO IMP	
CONCERN:	turbine blades may cause a disturbance which may	35				· - ·		Temporal (curtailment) restrictions. Temporal	110 1111 /	
	be far reaching due to the site being open and							restriction strategies can focus on altering		
DISTURBANCE	unobscured. Noise effect from construction and							turbine operation during times or weather		
	associated human activities during this phase is							conditions when wildlife is most active or		
	highly probable. This impact will reduce once the							where a negative impact has been found		
	WEF is operational however there will be continued							during the monitoring program.		
	noise pollution from turbines from both the hub							★ Targeted operational timing by working with		
	and the swish of the blades.							wind facility managers to target specific		
								turbines under certain weather conditions		
	Cumulative impact, on a localised scale, would be							where a negative impact has been identified.		
	moderate should the Taaibos and Soutrivier WEF							This may require changing the minimum		
	clusters construction timelines overlap. However, it							windspeed at which turbines begin to turn and		

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIA	LIST REPORTS		
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POTENTIAL RISKS TO	is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on disturbance of faunal species of conservation concern. There is an increased collision risk from increased	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	generate energy (cut-in speed) so that they idle during gentle wind and in so doing reduce noise during periods of low ambient noise. Minimise development lighting in order to minimise light pollution, disturbance to animals at night; Minimize noise disturbance during constructions where construction takes place within 1000 m of Very high and high sensitivity habitats. Restricting noise to daytime (9 am – 4 pm) periods when most fauna are less active. Careful planning of roads to minimise the	DIFFICULT	LOW -
FAUNA SPECIES OF CONSERVATION CONCERN: MORTALITY FROM ROAD COLLISION	traffic levels at the site and in the general area. This impact is likely to be of highest concern during construction but is also expected during the operational phase. Roads and roadsides may attract SCC such as Riverine Rabbits and Karoo Dwarf Tortoises due to verge edge enhancement of vegetation and roads may be used to facilitate movement, thus further increasing collision risks. Access roads that traverse riverine habitats require careful planning and monitoring to reduce risk of rabbit mortality. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on faunal species in relation to road collision mortality.	NO-GO	LOCALISED	PERMANENT	NO IMPA	CT	MODERATE -	length that traverses through riverine and rocky habitats that have been identified as Very high or high sensitivity. Use existing roads as much as possible. Roadkill monitoring program on both internal and external public roads targeting sensitive habitats and wildlife corridors. Roadkill Monitoring programs must be initiated at preconstruction phase and continued during construction and post-construction as well as conducted over different seasons. Pre-construction road planning to identify target sites for wildlife crossing structures which should be considered during the EIA process and with pre-construction roadkill monitoring findings. Wildlife crossing structures must be made in consultation with road planner, construction manager and wildlife biologist. This is generally more cost effective than retro fixing existing roads. Assess efficiency of roadkill mitigation approaches via a post-implementation roadkill monitoring program. Implementation of speed limits on both internal access WEF roads (40km/h) as well as external public roads (60km/h). Reduced speed limits of 30km/h where roads (both internal and external) cross High and Very high sensitivity areas identified; including riverine habitat, koppies and ecotones which may harbour sensitive species and generally have higher species diversity and abundance Wildlife warning signage and speed reduction measures where roads cross High and Very high sensitivity areas. Education and awareness campaigns on SCC and their habitat must form part of staff induction procedures to help increase awareness, respect and responsibility towards the environment for all staff and contractors.	NO IMP.	ACT

	SYNTHESIS OF SPECIALIST IMPACTS AS EXTRACTED FROM THE SPECIALIST REPORTS											
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								Inductions on safe wildlife passing and driving to reduce possible injury and roadkill alongside roads. There is higher risk of collision when animals are more active which is typically from late afternoon to early morning. During these times a low speed limit (30km/h) needs to be implemented. Night-time driving should be avoided as much as possible but if necessary, speed needs to be reduced significantly to avoid collisions. Lagomorph species (hares and rabbits) often freeze in headlights and require headlights to be momentarily turned off to allow the animal to move off the road. Reduced speeds also need to be implemented during reduced visibility such as misty conditions that have been observed on the site. Induction must include reporting of any vehicle/wildlife collision or found roadkill to the appointed Roadkill monitoring personnel. Search and rescue of slow-moving species, specifically Karoo Dwarf Tortoises, during the construction phase. IUCN guidelines for translocation of sensitive species should be consulted. Tortoises will need to be carefully relocated and provided shelter and water-rich food as well as monitoring of threatened species to ensure of their survival. Should a subpopulation be found further consultations with a herpetologist will be required for appropriated mitigation.				
POTENTIAL RISKS TO	The cumulative impact is of concern, given the fact	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -		DIFFICULT	LOW -		
FAUNA SPECIES OF CONSERVATION CONCERN: CUMULATIVE IMPACT	that the renewable-energy industry is rapidly expanding in South Africa. The local fauna is already impacted and threatened by past and current land use and the combination of these existing anthropogenic impacts with planned developments may impact the local fauna with unexpectedly large effects. Cumulative effects can also result where the construction phase occurs at several locations simultaneously or if a new project begins construction immediately following the completion of another. Cumulative effects can cause a small localized effect (which may have a limited effect on its own) to have a significant impact on population level as there may be thresholds where the cumulative effects increase disproportionally. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their	NO-GO	LOCALISED	PERMANENT	DEFINITE NO IMPA	MODERATE	MODERATE -	 each development before the next is begun. Use a precautionary approach and aim to minimise negative effects even when the effects are not fully known. Ensure the construction phase is done in as short a period as possible and avoid breeding season, typically in the spring after good rains. Construction needs to be done during daytime, avoiding noise and disturbance when faunal communities are most likely active, particularly where the construction is in proximity to their habitat. Sensitive habitats near construction will need to be clearly marked. Relating construction phase of the development with neighbouring developments and farming activity to ensure construction does not begin immediately after the completion of another or simultaneously. The developer instigates a proactive mitigation measure by initiating a multi-stakeholder 	DIFFICULT NO IMPA	ACT		

	SYI	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIAL	LIST REPORTS		
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POTENTIAL RISKS TO	associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact from a cumulative faunal species of conservation concern loss perspective. The effect of the wind farm on one species may	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	dialogue at a workshop to clarify these concerns and how they might be taken forward and co-funded. The aim of this mitigation is to reduce current impacts that threaten the survival of SCC populations. We recommend a biodiversity wildlife corridor approach whereby protecting sensitive habitats is made a priority. This may include species refuge areas where no form of indiscriminate wildlife killing/snaring is allowed, no or highly reduced livestock grazing, and no pest control including locust spraying is carried out. A Poaching and the use of hunting dogs at site is prohibited. A Initiate a general Fauna Biodiversity	DIFFICULT	LOW -
FAUNA SPECIES OF	have indirect cascading effects (knock on effect) on	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	Monitoring program	DIFFICULT	LOW -
CONSERVATION	other species within the same community due to	NO-GO			NO IMPA	ACT		A Fauna Biodiversity program must be initiated	NO IMPA	ACT
CONCERN:	ecological relations to one another. This means that an effect on one species may in turn affect many							pre-construction to have baseline population status and monitoring must be ongoing post-		
CASCADING IMPACT	others within the same ecosystem. Cascading							construction to identify any changes in		
ACROSS TROPHIC	effects may be complex and unpredictable as it may							occupancy in certain species' population which		
LEVELS	be the result of different types of interactions							may in turn indirectly impact other fauna		
	including competition, predation, parasitism, or symbiosis.							populations. Me recommend the use of multiple monitoring		
	Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no cascading impact across the trophic levels due to the proposed WEF							methods including and not limited to; camera trapping in diverse habitats, targeted camera trapping for SCC; small mammal monitoring with the use of Sherman traps; the use of Conservation Scent Detection Dog teams to assist in detecting SCC.		
					VISUAL IMPACT A					
POTENTIAL VISUAL IMPACT OF	During the construction period, there will be an increase in heavy vehicles utilising the roads to the	DIRECT	LOCALISED	SHORT TERM	PROBABLE	SEVERE	HIGH -	Ensure that vegetation is not unnecessarily removed during the construction period.	MODERATE	MODERATE -
CONSTRUCTION ON SENSITIVE VISUAL	construction sites that may cause, at the very least, a visual nuisance to other road users and	CUMULATIVE	LOCALISED	SHORT TERM	POSSIBLE	SEVERE	HIGH -	Reduce the construction period through careful logistical planning and productive	MODERATE	MODERATE-
RECEPTORS IN CLOSE	landowners in the area in close proximity (within	NO-GO			NO IMPA	ACT		implementation of resources.	NO IMPA	ACT
PROXIMITY TO THE	5km). Within the region, dust as a result of							Plan the placement of lay-down areas and		
FACILITY	construction activities may also be visible, as such it will result in a visual impact occurring during							temporary construction equipment camps in order to minimise vegetation clearing (i.e., in		
	construction.							already disturbed areas) wherever possible.		
								Restrict the activities and movement of		
	This impact is likely to be of high significance before							construction workers and vehicles to the		
	mitigation and moderate significance post							immediate construction site and existing access		
	mitigation on the identified sensitive visual receptors within this zone:							roads. Left Ensure that rubble, litter, and disused		
	 Users of the various secondary roads 							construction materials are appropriately stored		
	 Residents of the following homesteads: 							(if not removed daily) and then disposed		
	·		•							

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	 ○ Taaibosfontein ○ Erasmuskraal ○ Ramfontein The following homesteads are located on farm portions earmarked for the Victoria West WEF, thereby reducing the probability of this impact occurring on these specific receptors (i.e. it is assumed that these landowners are supportive of WEF developments and their associated visual impacts): Altona Spes Bona Lakenvlei Stampfontein Quaggasfontein Cumulative impact, on a localised scale, would be high should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard.							regularly at licensed waste facilities. Reduce and control construction dust using approved dust suppression techniques as and when required (i.e., whenever dust becomes apparent). Restrict construction activities to daylight hours whenever possible in order to reduce lighting impacts. Rehabilitate all disturbed areas immediately after the completion of construction works.		
	No-go alternative would result in no visual impacts related to construction activities.									
					WAKE EFFECT	STUDY		'		
None identified by specia	list				ODERATION	LDUACE				
				4.00	OPERATIONA					
OCCUPATION OF LAND	Agricultural land directly occupied by the	DIRECT	STUDY	MEDIUM	POSSIBLE	DEFINITE	LOW -	★ The allowable development limit on land of low	REVERSIBLE	LOW -
OCCUPATION OF LAND	development infrastructure will become restricted for agricultural use, with consequent potential loss		AREA STUDY	TERM MEDIUM	POSSIBLE	DEFINITE	LOW -	and medium agricultural sensitivity with a land capability of < 8, as this site has been verified to	REVERSIBLE	LOW -
	of agricultural productivity for the duration of the	COMOLATIVE	AREA	TERM	. 0001011	<u> </u>	2000	be, is 2.5 ha per MW. This would allow the	NE V ENGIDEE	2500
	project lifetime. The small and widely distributed nature of the agricultural footprint of the facility means that only an insignificant proportion of the available agricultural land is impacted in this way. The potential cumulative agricultural impact of importance is a regional loss (including by degradation) of future agricultural production potential. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related	NO-GO			NO IMPA	CT		proposed facility of 270 MW to occupy an agricultural footprint of 675 hectares. The wind facility being assessed will occupy an agricultural footprint of < 81 hectares. It is therefore confirmed that the agricultural footprint of this development will be well within the allowable limit. It will in fact be approximately eight times smaller than what the development limits allow.	NO IMPA	ICT

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIAL	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	to disturbance of agricultural system as no known construction activities are present on site.									
SOIL EROSION AND	Erosion can occur as a result of the alteration of the	DIRECT	STUDY	SHORT	PROBABLE	MODERATE	LOW -	Mitigation measures to prevent soil	REVERSIBLE	LOW -
DEGRADATION	land surface run-off characteristics, predominantly		AREA	TERM			1.0111	degradation are all inherent in the project	25,4526124.5	
	through the establishment of hard surface areas including roads. Soil erosion is completely	CUMULATIVE	STUDY AREA	SHORT TERM	PROBABLE	MODERATE	LOW -	design and / or are standard, best-practice for construction sites.	REVERSIBLE	LOW -
	preventable. The storm water management that	NO-GO			onsiders impacts	that will occur to	the garicultural	A system of storm water management, which	NO IMPA	ACT
	will be an inherent part of the road engineering on		_		•	osed development. The	_	will prevent erosion, will be an inherent part of		
	site and standard, best practice erosion control					infall, which is likely to	-	the road engineering on site. Any occurrences		
	measures recommended and included in the EMPr,		by climate of	change, agricu	ılture in the area	will come under incred	ased pressure in	of erosion must be attended to immediately and the integrity of the erosion control system		
	are likely to be effective in preventing soil erosion. Loss of topsoil can result from poor topsoil		terms of ed	conomic viabil	lity. In addition,	the no-go option wo	uld prevent the	at that point must be amended to prevent		
	management during construction related					g to the environmen		further erosion from occurring there.		
	excavations.			enefits associa	ited with the deve	elopment of renewable	energy in South	Any excavations done during the construction		
			Africa.					phase, in areas that will be re-vegetated at the		
	Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF							end of the construction phase, must separate the upper 30 cm of topsoil from the rest of the		
	clusters construction timelines overlap. However, it							excavation spoils and store it in a separate		
	is important to note that the 5 WEFs and their							stockpile. When the excavation is back-filled,		
	associated infrastructure are proposed by the same							the topsoil must be back-filled last, so that it is		
	developer and the EMPrs will be prepared to the							at the surface. Topsoil should only be stripped		
	same standard. No-go alternative would result in no impact related							in areas that are excavated. Across the majority of the site, including construction lay down		
	to disturbance of agricultural system as no known							areas, it will be much more effective for		
	construction activities are present on site.							rehabilitation, to retain the topsoil in place. If		
								levelling requires significant cutting, topsoil		
								should be temporarily stockpiled and then re-		
								spread after cutting, so that there is a covering of topsoil over the entire surface.		
INCREASED FINANCIAL	Reliable and predictable income will be generated	DIRECT	STUDY	SHORT	PROBABLE	MODERATE	LOW +	e, especial energy and	ACHIEVABLE	LOW +
	by the farming enterprises through the lease of the		AREA	TERM						
OPERATIONS	land to the energy facility. This is likely to increase their cash flow and financial security and could	CUMULATIVE	STUDY AREA	SHORT TERM	PROBABLE	MODERATE	LOW +		ACHIEVABLE	LOW +
	improve farming operations and productivity	NO-GO	ANLA	1 EMIVI	NO IMP	ACT			NO IMPA	ACT
	through increased investment into farming.									
	Cumulative impact, on a localised scale, would be									
	LOW should the Taaibos and Soutrivier WEF clusters									
	construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the same standard.									
	No-go alternative would result in no impact related									
	to disturbance of agricultural system as no known									
	construction activities are present on site.									
IMPROVED SECURITY	Improved security against stock theft and other	DIRECT	STUDY	SHORT	POSSIBLE	SLIGHT	LOW+		ACHIEVABLE	LOW +
AGAINST STOCK THEFT	crime due to the presence of security infrastructure	DIVECT	AREA	TERM	FUSSIBLE	SLIGHT	LOW		ACHIEVADLE	LOVV +
AND OTHER CRIME	and security personnel at the energy facility.	CUMULATIVE	STUDY	SHORT	POSSIBLE	SLIGHT	LOW +		ACHIEVABLE	LOW +
			AREA	TERM						

ISSUE DESCRIPTION OF IMPACT IMPACT SCALE (EXTENT) DESCRIPTION OF IMPACT SCALE (EXTENT) DURATION) Cumulative impact, on a localised scale, would be LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same associated infra	REVERSABILITY/ MITIGATION NO IMPA	SIGNIFICANCE POST- MITIGATION
LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same	NO IMPA	СТ
developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of agricultural system as no known construction activities are present on site.		
AQUATIC IMPACT ASSESSMENT		
PROACTIVE No direct impacts perceived. DIRECT LOCALISED LONG TERM UNLIKELY SLIGHT LOW- No indiscriminate movement of construction	REVERSIBLE	LOW -
MONITORING TO CUMULATIVE LOCALISED LONG TERM UNLIKELY SLIGHT LOW- equipment through the freshwater features	REVERSIBLE	LOW -
ENSURE STRUCTURAL Cumulative impact, on a localised scale, would be NO-GO NO IMPACT may be permitted during standard operational activities or maintenance activities. Use must	NO IMPA	CT
MAINTAINED AND TO operational timelines overlap, which is likely.		
IDENTIFY EARLY SIGNS However, it is important to note that the 5 WEFs and crossings only;		
OF FAILURE / EROSION.		
same developer and the EMPrs will be prepared to		
the same standard. or off-site) to avoid the dispersal of seeds on		
No-go alternative would result in no impact related to erosion of aquatic habitats. No-go alternative would result in no impact related features;		
CONCENTRATED Concentrated runoff from the road crossings DIRECT LOCALISED LONG TERM POSSIBLE SLIGHT LOW-	REVERSIBLE	LOW -
RUNOFF ENTERING THE leading to erosion and subsequent sedimentation sediment must be identified and when		
FRESHWATER FEATURES of the freshwater features (increase in the sediment CUMULATIVE STUDY LONG TERM POSSIBLE SLIGHT LOW- necessary, debris/excess sediment must be	REVERSIBLE	LOW -
load) and turbulent flows when surface water is AREA removed by hand to prevent future flooding		
AND present; Higher flood peaks into the freshwater NO-GO NO IMPACT and potential damage to infrastructure;	NO IMPA	CT
features due to reduced surface roughness in the		
VEGETATION WITHIN flow and subsequent erosion occurs due to the		
AND SURROUNDING Cumulative impact, on a localised scale, would be		
THE FRESHWATER low should the Taaibos and Soutrivier WEF clusters maintenance activities must specifically be		
FEATURES. operational timelines overlap, which is likely.		
However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the Stormwater runoff from the road crossings must be monitored (by the O&M Manager, to		
same developer and the EMPrs will be prepared to		
the same standard. freshwater features. Stormwater must be		
No-go alternative would result in no impact related allowed to diffusely spread across the		
to disturbance of freshwater features.		
roughness in the freshwater feature (through		
vegetation and rocky areas); → Maintenance vehicles must make use of		
dedicated access roads and no indiscriminate		
movement in the freshwater features may be		
permitted;		
During periodic maintenance activities of the		
roads, monitoring for erosion must be undertaken; and		
Undertaken; and		
crossings/instream infrastructure, the area		
must be rehabilitated by infilling the erosion		

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								gully and revegetation thereof with suitable indigenous vegetation. Use can also be made of rocks collected from the surrounding area to infill any area prone to erosion (however, these must be sustainably sourced not taken from the surrounding freshwater features including rivers in the local area).		
				Α	VIFAUNAL IMPACT	ASSESSMENT				
DISPLACEMENT THROUGH	The indications from operational wind farms are that this impact may be of fairly low importance,	DIRECT	STUDY AREA	LONG-TERM	DEFINITE	SLIGHT	LOW -	 All human activities associated with construction, operation and decommissioning 	ACHIEVABLE	LOW -
DISTURBANCE	although it is acknowledged that a longer term or more detailed means of measuring this impact may be required. The impact of human-induced	CUMULATIVE NO-GO	STUDY AREA	SHORT TERM	DEFINITE NO IMPA	SLIGHT	LOW -	should be strictly managed according to generally accepted environmental best practice standards, so as to avoid any unnecessary	ACHIEVABLE	LOW -
ISPLACEMENT	disturbance during the operational phase of the development is likely to be less severe than during the construction phase. Birds may be displaced from using the landscape for breeding, foraging and commuting purposes due to the loss of habitat, increased noise pollution and human presence. This may reduce population size or force individuals into suboptimal habitat. For the proposed project we consider this impact to be of Low Negative significance. Cumulative impact, on a localised scale, would be LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of avifaunal habitats.	DIRECT	STUDY	LONG-TERM	DEFINITE	SLIGHT	LOW -	impact on the receiving environment. A post-construction inspection must be conducted by an avifaunal specialist to confirm that all aspects have been appropriately handled and in particular that road and hard stand verges do not provide additional substrate for raptor prey species. It is essential that the new wind farm does not create favourable conditions for such mammals in high risk areas. We therefore recom-mend that within the first year of operations a full assessment of this aspect be made by the ornithologist contracted for post-construction monitoring. If such conditions have been created, case-specific solutions will need to be developed and implemented by the wind farm. It is strongly recommended that rodenticides not be used at the newly established Operation and Maintenance (O&M) buildings or around auxiliary infrastructure on the project site. While pest control of this nature may be effective, even so-called "environmentally friendly" rodenticides are toxic and pose significant secondary poisoning risk to predatory avifauna, especially owls.	ACHIEVABLE	LOW -
ROUGH HABITAT	operational wind farms are that this impact may be		AREA					Should more than one power line be constructed in parallel with another either new		
LOSS	of fairly low importance, although it is acknowledged that a longer term or more detailed means of measuring this impact may be required.	NO-GO	STUDY AREA	LONG-TERM	DEFINITE	SLIGHT	LOW -	or pre-existing power line, the pylon structures should be staggered as per Pallett et al. (2022)	ACHIEVABLE	LOW -
	Birds may be displaced from using the landscape for breeding, foraging and commuting purposes due to the loss of habitat, increased noise pollution and human presence. This may reduce population size or force individuals into suboptimal habitat. Cumulative impact, on a localised scale, would be LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is	INU-GU			NO IMPA	Ci		to increase visibility to large, slow-moving species, especially bustards and cranes.	NO IMP	AC I

						RACTED FROM				
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would result in no impact related									
AAODTALITY FDOM	to disturbance of avifaunal habitats.	DIDECT	DECIONAL	LONG TERM	DDODADIE	MODERATELY	MODERATE	All borrow matricities massisted with	DIFFICULT	MODERATE
MORTALITY FROM COLLISIONS WITH	Turbine collisions have been discussed in depth in	DIRECT	REGIONAL	LONG-TERM	PROBABLE	MODERATELY SEVERE	MODERATE -	All human activities associated with	DIFFICULT	MODERATE
TURBINES	the literature section of this report. They represent the greatest risk to avifauna at this development.	CUMULATIVE	REGIONAL	LONG-TERM	PROBABLE	MODERATELY	MODERATE -	construction, operation and decommissioning should be strictly managed according to	DIFFICULT	MODERATE
TORDINES	Turbine blades are not always visible to birds flying	COMOLATIVE	REGIONAL	LONG-TERIVI	PRODABLE	SEVERE	WIODERATE -	generally accepted environmental best practice	DIFFICULI	MODERATE
	at rotor swept height and evasive action is not	NO-GO			NO IMPA			standards, so as to avoid any unnecessary	NO IMPA	ACT.
	always possible. Striking a moving blade almost	140-00			NO IIVIFA	CI		impact on the receiving environment.	INO IIVIF	401
	certainly results in death or serious injury. In the							→ A post-construction inspection must be		
	case of resident species, or those that occupy home							conducted by an avifaunal specialist to confirm		
	ranges on a fairly permanent basis, fatalities							that all aspects have been appropriately		
	represent the loss of individuals in the greater study							handled and in particular that road and hard		
	area, both directly (due to fatalities themselves) as							stand verges do not provide additional		
	well as indirectly (due to the loss of breeding							substrate for raptor prey species. It is essential		
	potential, particularly between monogamous							that the new wind farm does not create		
	pairs). Human caused fatalities of regionally Red							favourable conditions for such mammals in		
	Listed or otherwise threatened bird species are							high risk areas. We therefore recom-mend that		
	always cause for concern and should be avoided as							within the first year of operations a full		
	far as possible. The estimated fatalities we have							assessment of this aspect be made by the		
	predicted are therefore of some concern for the							ornithologist contracted for post-construction		
	relevant species, in particular Verreaux's Eagle,							monitoring. If such conditions have been		
	Ludwig's Bustard, Martial Eagle, Black Harrier and							created, case-specific solutions will need to be		
	Jackal Buzzard. There are currently no established							developed and implemented by the wind farm.		
	thresholds for acceptable impacts on bird species in							It is strongly recommended that rodenticides		
	South Africa. To establish these thresholds would							not be used at the newly established Operation		
	require complex modelling incorporating accurate							and Maintenance (O&M) buildings or around		
	information on many factors for each species							auxiliary infrastructure on the project site.		
	(including population size, age-specific fatality							While pest control of this nature may be		
	rates, breeding productivity, etc). Such modelling							effective, even so-called "environmentally		
	and information are not available in South Africa at							friendly" rodenticides are toxic and pose		
	present. In the absence of this information, we are forced to make a somewhat subjective decision as							significant secondary poisoning risk to predatory avifauna, especially owls.		
	to the acceptability of the estimated annual							An observer-led turbine Shutdown on Demand		
	fatalities.							(SDOD) programme must be implemented on		
	raturities.							site from COD. This programme must consist of		
	Cumulative impact, on a localised scale, would be							a suitably qualified, trained and resourced		
	moderate should the Taaibos and Soutrivier WEF							team of observers present on site for all		
	clusters construction timelines overlap. However, it							daylight hours 365 days of the year. This team		
	is important to note that the 5 WEFs and their							must be stationed at vantage points with full		
	associated infrastructure are proposed by the same							visible coverage of all turbine locations. The		
	developer and the EMPrs will be prepared to the							observers must detect incoming priority bird		
	same standard.							species, track their flights, judge when they		
	No-go alternative would result in no impact related							enter a turbine proximity threshold, and alert		
	to disturbance of avifaunal habitats.							the control room to shut down the relevant		
FATAL TURBINE	Turbine collisions have been discussed in depth in	DIRECT	REGIONAL	LONG-TERM	PROBABLE	MODERATELY	MODERATE -	turbine until the risk has reduced. A full detailed	ACHIEVABLE	MODERATE -
COLLSIONS:	the literature section of this report. They represent					SEVERE		method statement or protocol must be		
MIGRATORY SPECIES	the greatest risk to avifauna at this development.	CUMULATIVE	REGIONAL	LONG-TERM	PROBABLE	MODERATELY	MODERATE -	designed by an ornithologist prior to COD, and	ACHIEVABLE	MODERATE -
(BLACK HARRIER)	The impact for Black Harrier is of greater					SEVERE		included as an annexure of the EMP.		
	consequence and wider significance: this migratory							The combination of hub height and rotor		

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	species is near endemic to South Africa (more than 70% of the population occurs within the country), and loss of any individuals of this Endangered species thus jeopardise the global population. The "Probability" of this impact is rated as "May Occur", which is to say that with an already highly threatened population of only ~1 000 individuals, the likelihood of collision with turbines on this specific site is not particularly high. However, the implications of even a single fatality are farreaching, long-lasting and cumulative. In the case of migratory species, we conclude that the impact of bird collision with turbines is of Moderate Negative significance. There are various mitigation measures described in Section 7 and these will reduce the significance somewhat. The degree of this reduction is however uncertain, as the mitigation measures are largely unproven in these conditions. At this stage, we judge that the significance postmitigation will be of Moderate Negative significance. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to disturbance of avifaunal habitats.	NO-GO			NO IMPA	CT		diameter must be optimised to maximise the lower blade tip height above ground. Raising the lower turbine blade tip height from a typical 30m above ground to 80m above ground will reduce collision risk for cranes, Ludwig's Bustards, Black Harrier and korhaans, which typically fly low over the ground. Raising the lower blade tip from 30 to 80m above ground as a mitigation measure benefited every target species (in terms of reduced predicted mortality). Low sample size in this study was a limitation although it has been predicted to significantly reduce fatality rates on similar projects and we recommend the implementation of this measure. All turbine blades must be painted according to a protocol currently under development by the South African Wind Energy Association (SAWEA) from the outset. Provision must be made by the developer for the resolution of any technical, warranty, supplier challenges that this may present. Any residual impacts after all possible mitigation measures have been implemented will need to be mitigated off site. The facility will need to address other sources of mortality of priority species in a measurable way so as to compensate for residual effects on the facility itself. This will need to be detailed in a Biodiversity Action Plan. Should more than one power line be constructed in parallel with another either new or pre-existing power line, the pylon structures should be staggered as per Pallett et al. (2022) to increase visibility to large, slow-moving	NO IMPA	СТ
MORTALITY FROM	Collision with power line infrastructure has been	DIRECT	STUDY	LONG-TERM	PROBABLE	MODERATELY	MODERATE -	species, especially bustards and cranes. The constraint areas identified by this study	ACHIEVABLE	MODERATE -
POWERLINE COLLISIONS	discussed in depth in the literature section of this		AREA	1010	DD054515	SEVERE		(which build on those identified in the screening	A CLUEL VA D. F.	
	report. Unmitigated, it represents a moderately	CUMULATIVE	STUDY	LONG-TERM	PROBABLE	MODERATELY	MODERATE -	phase) should be adhered to.	ACHIEVABLE	MODERATE -
	high risk to avifauna at this development, particularly to bustards, storks, cranes and		AREA			SEVERE		 Any residual impacts after all possible mitigation measures have been implemented 	NO IMPA	CI
	flamingos (collision). Large-bodied birds often lack							will need to be mitigated off site. The facility		
	the manoeuvrability to avoid poorly-marked power							will need to address other sources of mortality		
	lines in flight when commuting in the landscape.							of priority species in a measurable way so as to		
	This impact is relatively easily mitigated, however,							compensate for residual effects on the facility		
	our understanding from recent literature is that							itself. This will need to be detailed in a		
	mitigation such as power line pylon staggering is							Biodiversity Action Plan.		
	not 100% effective and partial losses may still occur							The pole design of any overhead power line		
								should be approved by an ornithologist in terms		
	Cumulative impact, on a localised scale, would be							of the electrocution risk it may pose to large		
	moderate should the Taaibos and Soutrivier WEF							birds such as eagles.		
	clusters construction timelines overlap. However, it							A Should more than one power line be		

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ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANC POST- MITIGATION
	is important to note that the 5 WEFs and their							constructed in parallel with another either new		
	associated infrastructure are proposed by the same							or pre-existing power line, the pylon structures		
	developer and the EMPrs will be prepared to the same standard.							should be staggered as per Pallett et al. (2022)		
	No-go alternative would result in no impact related							to increase visibility to large, slow-moving species, especially bustards and cranes.		
	to disturbance of avifaunal habitats.							species, especially busturus und crunes.		
MORTALITY FROM	Electrocution refers to the scenario where a bird is	DIRECT	STUDY	LONG-TERM	PROBABLE	MODERATELY	MODERATE -		ACHIEVABLE	LOW -
POWERLINE	perched or attempts to perch on the electrical		AREA			SEVERE		(which build on those identified in the screening		
ELECTROCUTIONS	structure and causes an electrical short circuit by	CUMULATIVE	STUDY	LONG-TERM	PROBABLE	MODERATELY	MODERATE -	phase) should be adhered to.	ACHIEVABLE	LOW -
	physically bridging the air gap between live		AREA			SEVERE		Any residual impacts after all possible	NO IMP	PACT
	components and/or live and earthed components.	NO-GO			NO IMPA	CT		mitigation measures have been implemented		
	This is particularly true for raptors with larger							will need to be mitigated off site. The facility		
	wingspans such as Verreaux's and Martial Eagles. In a treeless landscape such as the proposed site the							will need to address other sources of mortality of priority species in a measurable way so as to		
	risk is exaggerated as the birds will certainly perch							compensate for residual effects on the facility		
	on pylons if available and may also nest on them.							itself. This will need to be detailed in a		
	Once correctly installed, such infrastructure should							Biodiversity Action Plan.		
	not pose any danger to perching birds and no							The pole design of any overhead power line		
	fatalities will occur							should be approved by an ornithologist in terms		
								of the electrocution risk it may pose to large		
	Cumulative impact, on a localised scale, would be							birds such as eagles.		
	moderate should the Taaibos and Soutrivier WEF							→ Should more than one power line be		
	clusters construction timelines overlap. However, it							constructed in parallel with another either new		
	is important to note that the 5 WEFs and their associated infrastructure are proposed by the same							or pre-existing power line, the pylon structures		
	developer and the EMPrs will be prepared to the							should be staggered as per Pallett et al. (2022) to increase visibility to large, slow-moving		
	same standard.							species, especially bustards and cranes.		
	No-go alternative would result in no impact related							Species, especially sustained and statics.		
	to disturbance of avifaunal habitats.									
					BAT IMPACT AS					
BAT FATALITY	Bat mortality (direct impact) through collisions with	DIRECT	STUDY	LONG TERM	PROBABLE	SEVERE	HIGH -	Avoid:	REVERSIBLE	MODERATE
	wind turbine blades is the principal impact of wind energy facilities on bats (Cryan and Barclay 2009,		AREA					→ No placement of turbines within no-go areas.		
	Arnett et al. 2016).	CUMULATIVE	STUDY	LONG TERM	PROBABLE	SEVERE	HIGH -		REVERSIBLE	MODERATE
	Affiett et al. 2010).	CONIDEATIVE	AREA	LONG TERIVI	PRODABLE	SEVERE	HIGH -	Minimise: → Maintain a minimum blade sweep of 30 m to	KEVENSIBLE	WIODERATI
	Cumulative impact, on a localised scale, would be	NO-GO		1	NO IMPA	CT		avoid impacts to lower flying bats such as	NO IMP	PACT
	moderate should the Taaibos and Soutrivier WEF							clutter-edge species (e.g., Cape serotine, Natal		
	clusters operational timelines overlap, which is							long-fingered bat)		
	likely. However, it is important to note that the 5							→ Minimise the rotor diameter		
	WEFs and their associated infrastructure are									
	proposed by the same developer and the EMPrs will							technique should be used, to prevent free-		
	be prepared to the same standard.							wheeling below the turbine cut-in speed.		
	No-go alternative would result in no impact related							→ Implement post-construction fatality		
	to bats.							monitoring and apply additional curtailment or		
	Construction of infrastructure will increase	DIRECT AND	STUDY	LONG TERM	PROBABLE	SLIGHT	LOW -	deterrents if fatality thresholds are exceeded. Avoid:	REVERSIBLE	LOW -
LIGHT POLITION		INDIRECT	AREA	LOITO ILINIVI	INODABLE	JUITI	2000-	No placement of substations and operational and	NEVENSIBLE	2000
LIGHT POLLUTION	ecological light pollution from artificial lighting			LONG TERM	PROBABLE	SEVERE	HIGH -	maintenance buildings within no-go areas.	REVERSIBLE	MODERAT
LIGHT POLLUTION	ecological light pollution from artificial lighting associated with the substation and other	CUMULATIVE	SIUDY		· · · ·			5 - 5		
LIGHT POLLUTION	ecological light pollution from artificial lighting associated with the substation and other operational and maintenance buildings associated	CUMULATIVE	STUDY AREA	20110 1211111				Minimise:		
LIGHT POLLUTION	associated with the substation and other	CUMULATIVE NO-GO		2010 121111	NO IMPA	СТ		Minimise: ✓ Use as little lighting as possible, maximise use	NO IMP	PACT
LIGHT POLLUTION	associated with the substation and other operational and maintenance buildings associated			20110 1211111	NO IMPA	ст			NO IMP	PACT

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	the prey base for bats, especially bat species that are light-phobic. These species may also be displaced from previous foraging areas due to lighting. Other bat species forage around lights, attracted by higher numbers of insects. This may bring these species into the vicinity of the project and indirectly increase the risk of collision with wind turbines. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to bats.							units, and using low intensity lighting (Rydell 1992, Stone 2012).		
					HERITAGE IMPACT	ASSESSMENT				
LOSS OF HERITAGE	impact on previously undetected archaeological	DIRECT	STUDY	SHORT	MAY OCCUR	SLIGHT	LOW -	It is understood that no new areas will be disturbed	EASILY REVERSIBLE	LOW -
RESOURCES: STONE AGE OCCURANCES	sites, human burials and the cultural landscape might occur as a result of operational activities (site access, movement, maintenance, trespassing,	CUMULATIVE	AREA STUDY AREA	TERM SHORT AND LONG TERM	MAY OCCUR	SLIGHT	LOW -	and/or impacted during the operations phase of the project and the risk and severity of heritage impacts should decrease once the projects activate.	REVERSIBLE	LOW – AND LOW (+)
	natural elements, hazards etc). Cummulative impact: The low frequency of significant archaeological resources documented in the project area and in its immediate surroundings implies low-severity short and long-term impacts on the heritage landscape Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to destruction of archaeological resources.	NO-GO						Furthermore, the majority of sites of archaeological and heritage significance would have been recorded and/or assessed in preceding phases. Cumulative impact: The significance of the landscape in terms of its heritage is bound not to change during the course of construction, operation and decommissioning of the project. It should be noted that archaeological knowledge and the initiation of research projects into significant archaeological sites often result from Heritage Impact Assessments conducted for developments. Provided that significant archaeological sites are conserved and that appropriate heritage mitigation and management procedures are followed, the cumulative impact of development can be positive.	NO IMPA	ACT
LOSS OF HERITAGE RESOURCES:	impact on previously undetected archaeological sites, human burials and the cultural landscape	DIRECT	STUDY AREA	SHORT TERM	PROBABLE	MODERATE	LOW -	It is understood that no new areas will be disturbed and/or impacted during the operations phase of the	REVERSIBLE	LOW -
ROCKSHELTER (SRc02)	might occur as a result of operational activities (site	CUMULATIVE	STUDY	SHORT	MAY OCCUR	SLIGHT	LOW -	project and the risk and severity of heritage impacts		
AND CORBEL BUILDING (SRC01)	access, movement, maintenance, trespassing, natural elements, hazards etc).		AREA	AND LONG TERM				should decrease once the projects activate.	REVERSIBLE	LOW – AND LOW (+)
								Furthermore, the majority of sites of archaeological		

	SYI	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIA	ALIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to destruction of archaeological resources.	NO-GO			NOISE IMPACT AS	CCECCMENT		and heritage significance would have been recorded and/or assessed in preceding phases. During the Operations Phase, the continuation of management measures for the rock shelter (SRC02) and a corbel building (SRC01) -should the sites be retained -should be tracked and continuous ECO site monitoring will be required.	NO IMPA	ACT
DAYTIME OPERATION	WTG will only operate during period with increased	DIRECT	LOCALISED	LONG TERM	UNLIKELY	SLIGHT	LOW -	★ The significance of the noise impact is low and	REVERSIBLE	LOW -
OF WTG CONSIDERING	winds, when ambient sound levels are higher than	CUMULATIVE	LOCALISED	LONGTERM	UNLIKELY	SLIGHT	LOW -	no additional mitigation is recommended.	REVERSIBLE	LOW -
THE WORST-CASE SPL	periods with no or low winds. As discussed and motivated in Section 6.4 of the Noise Impact Assessment (as proposed in Table 6-2 and illustrated in Figure 4-28), ambient sound levels will likely be higher, with this assessment assuming an ambient sound level of 41.5 dBA. Numerous WTG of the Taaibos South WEF operating simultaneously during the day will increase ambient sound levels due to air-borne noise from the WTG. The projected noise levels and the change in ambient sound levels is defined for the identified NSR in Appendix F, Table 4 of the Noise Impact Assessment. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to daytime operational noise.	NO-GO			NO IMPA				NO IMPA	
NIGHT-TIME	WTG will only operate during period with increased	DIRECT	LOCALISED	LONG TERM	UNLIKELY	SLIGHT	LOW -	↑ The significance of the noise impact is low and	REVERSIBLE	LOW -
OPERATION OF WTG CONSIDERING THE	winds, when ambient sound levels are higher than periods with no or low winds. As discussed and	NO-GO	LOCALISED	LONGTERM	UNLIKELY NO IMPA	SLIGHT	LOW -	no additional mitigation is recommended, though future noise-monitoring is	REVERSIBLE	LOW -
WORST-CASE SPL	motivated in Section 6.4 of the Noise Impact Assessment (as proposed in Table 6-2 and illustrated in Figure 4-29), ambient sound levels will likely be higher with this assessment assuming an ambient sound level of 41.5 dBA. Numerous WTG of the Taaibos South WEF operating simultaneously at night will increase ambient sound levels due to air-borne noise from the WTG. The projected noise levels, the change in ambient sound levels as well as the potential noise impact is defined per NSR in Appendix F, Table 5 (using the criteria of the author/EARES) of the Noise							recommended.		

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANO POST- MITIGATION
	Impact Assessment. It is expected that the sounds									
	from the operating WTG may be audible at night.									
	Cumulative impact, on a localised scale, would be									
	low should the Taaibos and Soutrivier WEF clusters									
	operational timelines overlap, which is likely.									
	However, it is important to note that the 5 WEFs and									
	their associated infrastructure are proposed by the									
	same developer and the EMPrs will be prepared to									
	the same standard.									
	No-go alternative would result in no impact related									
	to night-time operational noise.			544						
ne identified by specie	alict			PALA	ENTOLOGICAL IMP	PACT ASSESSMENT				
The facility ica by specie	***************************************			RIVE	RINE RABBIT IMPA	ACT ASSESSMENT				
DISTURBANCE	Disturbance will be primarily in the form of visual	DIRECT	STUDY	SHORT	POSSIBLE	SEVERE	HIGH -	→ Precautionary buffers of 700m for identified	REVERSIBLE	LOW -
THROUGH NOISE	and noise effects as well as general human		AREA	TERM				very high sensitivity areas, whilst taking into		
POLLUTION	activities. Visual stimuli from movements of the	CUMULATIVE	STUDY	SHORT	POSSIBLE	SEVERE	HIGH -	consideration topographical variations at the	REVERSIBLE	LOW -
	turbine blades may cause a disturbance, this may be		AREA	TERM				site; i.e. turbines that are obstructed by a hill		
	far reaching due to the site being open and	NO-GO			NO IMPA	CT		may be placed closer to riverine habitats as		
	unobscured. This impact will reduce once the WEF							visual and noise impact would be buffered by		
	is operational however there will be continued							the topography of the land.		
	noise pollution from turbines sound from both the hub as well as from the swish of the blades. Riverine							→ Precautionary buffers of 350m for secondary		
	Rabbits rely on hearing for predator detection and							drainage lines that consist mostly of poor		
	avoidance and so may be more susceptible to noise							degraded riverine habitat and identified as either Medium or Low sensitivity.		
	due to impaired hearing and masking effect. We do							·		
	not know the effect of turbine noise on Riverine							Implementing adequate noise reduction measures, including the use of insulation to		
	Rabbits, they may choose to avoid an area and							reduce noise output from turbine hubs.		
	relocate, it may also alter their activity pattern or							→ Temporal (curtailment) restrictions. Temporal		
	cause behavioural abnormalities due to adverse							restriction strategies can focus on altering		
	effects on their nervous system where							turbine operation during times or weather		
	displacement is not observed. Wind turbine noise							conditions when wildlife is most active or		
	varies with design and size and noise reduction is							where a negative impact has been found		
	continuously improving with new turbine design,							during the monitoring program.		
	however it is very likely that the Riverine rabbit hearing frequency range overlaps with the							★ Changing the minimum windspeed at which		
	frequency range of wind turbine noise. Habitat							turbines begin to turn and generate energy		
	specialist species, such as riverine rabbits, may be							(cut-in speed), so that they idle during gentle		
	limited in their ability to relocate should they be							wind, reduces noise during periods of low		
	disturbed. Consequently, the difficulty in providing							ambient noise.		
	definitive levels of the point at which noise will have							★ Targeted operational timing by working with		
	an impact necessitates a conservative approach to							wind facility managers to target specific		
	buffering preferred riverine rabbit habitat. The							turbines under certain weather conditions		
	potential riverine rabbit habitat on the plateau has							where a negative impact has been identified.		
	been buffered by a minimum of 350m and higher							Measure sound pressure levels at the WEF site,		
	potential habitat, including where the presence of							taking measurements at ~0.25m from the		
	rabbits has been confirmed, has been buffered by							ground with two sets of measurements taken;		
	700m, which would reduce the potential							one when turbines are active and one when		
	significance of this impact. Given the distance							inactive and at different distances from turbines including within Riverine rabbit		
	between the turbines and High sensitivity zones, it is assumed, with a low level of certainty, that this							habitat.		
	is assumed, with a low level of tertainty, that this							παστιατ.		

	SYN	ITHESIS O	FSPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
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	impact would be of generally low magnitude. Cumulative impact, on a localised scale, would be HIGH should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on the local Riverine Rabbit population.							Minimize noise disturbance during construction. Restrict noise to daytime (9am − 5pm) periods when rabbits are less active.		
DEGRADATION OF HABITAT BY EROSION	The construction of roads, turbine hard-stands, roads and laydown areas etc. will result in the	DIRECT AND INDIRECT	STUDY AREA	MEDIUM TERM	POSSIBLE	SEVERE	MODERATE -		ACHIEVABLE	LOW -
	destruction of currently intact vegetation, which may lead indirectly to soils being exposed and facilitating erosion. Erosion leads to river	NO-GO	STUDY AREA	MEDIUM TERM	POSSIBLE	SEVERE	MODERATE -	areas impacting downstream ecosystems	ACHIEVABLE NO IMP	LOW -
	degradation through increased runoff and siltation processes. If erosion control is implemented, the resulting impact from erosion and would also be low. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely.				NO IMPA					
	However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on the local Riverine Rabbit population.		OTUDY.		L possinis I				ACHEMAN	
MORTALITY BY COLLISION	There is an increased collision risk from expected increased traffic levels at the site. This impact is	DIRECT AND INDIRECT	STUDY AREA	MEDIUM TERM	POSSIBLE	SEVERE	HIGH -	Careful planning of roads to minimise the length that traverses riverine habitats that	ACHIEVABLE	LOW -
	likely to be of highest concern during construction but is expected to continue during operational	CUMULATIVE	STUDY AREA	MEDIUM TERM	POSSIBLE	SEVERE	HIGH -	have been identified as Very high or high sensitivity.	ACHIEVABLE	LOW -
	phase. Roads and roadsides may attract riverine rabbits due to edge enhancement of vegetation on verges and the potential facilitation of movement, thus further increasing collision risks. Access roads that traverse riverine habitats require careful planning and monitoring to reduce risk of rabbit mortality. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on the local Riverine Rabbit population.	NO-GO			NO IMPA	ст		 ✓ Use existing roads as much as possible. ✓ Roadkill monitoring program on both internal and external public roads targeting sensitive habitats and wildlife corridors. Roadkill Monitoring programs must be initiated at preconstruction phase and continued during construction and post-construction as well as conducted over different seasons. ✓ Pre-construction road planning to identify target sites for wildlife crossing structures which should be considered during the EIA process in conjunction with pre-construction roadkill monitoring findings. Wildlife crossing structures must be made in consultation with road planner, construction manager and wildlife biologist. This is generally more cost effective than retro fixing existing roads. ✓ Assess efficiency of roadkill mitigation 	NO IMP	ACT

SYNTHESIS OF SPECIALIST IMPACTS AS EXTRACTED FROM THE SPECIALIST REPORT ISSUE DESCRIPTION OF IMPACT NATURE OF SPATIAL TEMPORAL CERTAINTY SEVERITY SIGNIFICANCE MINDER SCALE SCALE SCALE BENEFICIAL SCALE PRE-	IITIGATION MEASURES REVERSABILITY/ SIGNIFICANCE
(EXTENT) (DURATION) (PROBABILITY/ MITIGATION	MITIGATION POST- MITIGATION
monitoring implement cocess twice public road Reduced sign (port of the committee of t	Action of speed limits on both internal F roads (40km/h) as well as external dis (60km/h). peed limits of 40km/h where roads rnal and external) cross High and sensitivity areas identified. arning signage and speed reduction where roads cross High and Very high areas. and awareness campaigns on abbits and their habitat must form taff induction procedures to help wareness, respect and responsibility he environment for all staff and s. ractor employed for development ensure that no rabbit or hare species bed, trapped, hunted or killed by their team during the construction aservation-orientated clauses should into contracts for construction complete with penalty clauses for
SOCIO-ECONOMIC IMPACT ASSESSMENT NEW FAMIL OVAFAIT - Direct and indirect ampleument apportunities will - DIRECT - DECIDINAL LONG TERM - DEFINITE - MODERATELY -	local ampleument and procurement
	local employment and procurement DIFFICULT MODERATE +
	local and district municipalities) possible. DIFFICULT MODERATE +
IMPACTS Project and result in an increase in household CUMULATIVE REGIONAL LONG TERM DEFINITE MODERATELY MODERATE + wherever p	DIFFICULI WIUDERATE +

	SYNTHESIS OF SPECIALIST IMPACTS AS EXTRACTED FROM THE SPECIALIST REPORTS											
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION		
	earnings and improved livelihoods for the affected				,	BENEFICIAL		Coordinate the effort to obtain temporary				
	households through salaries and wages. **WEF Projects of this nature employ between ten to fifteen permanent workers, of which about 50% would be skilled (Operations Manager, technicians, electricians, engineers, mechanics, Health & Safety Officer, etc.) and 50% semi-skilled (security, site maintenance, etc.). **Temporary workers would be sourced through service providers to perform contract maintenance work such as civil works, site maintenance, site clearing to minimise the potential of veld fires, painting of buildings, plumbing and so forth. **Job creation as a result of the funding spent on SED projects, such as construction / infrastructure projects, literacy / education programmes, sport development, etc. **Indirect and induced employment created through procurement of components, equipment, goods and services to maintain the infrastructure and access roads. In additional to employment, economic impacts will manifest for the local and national economies through the manufacturing and services industries. Furthermore, agricultural land will be rezoned for renewable energy purposes, thereby increasing farm values and resulting in higher payable taxes for the local municipality. Induced economic impacts will realise locally and regionally through employment and procurement and as a result more benefits for retail sales, leisure and hospitality, real estate, etc. will occur as more money circulates in the local economy. **Cumulative impact, on a localised scale, would be MODERATE should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. **No-go alternative would not impact the SEIA**	NO-GO			NO IMPA			employment, service providers, SMME's etc. required for maintenance work, with the municipal LED Units.	NO IMPA	СТ		
INCREASE IN	ratings significantly During the operational period the IPP will sign a	DIRECT	LOCALISED	LONG TERM	DEFINITE	MODERATELY	MODERATE +	 Consider the potential increase in rates and 	VERY DIFFICULT	MODERATE +		
LIVELIHOODS FOR	long-term lease agreement with the affected	DINECI	LOCALISED	-0.10 121(10)		BENEFICIAL	MODERATE	taxes when lease agreements are negotiated	VERT DITTICOLI	MODERATE		
DIRECTLY BENEFITTING		CUMULATIVE	LOCALISED	LONG TERM	DEFINITE	MODERATELY	MODERATE +	with landowners.	VERY DIFFICULT	MODERATE +		
LANDOWNERS	infrastructure are located, thereby compensating	CONICLATIVE	LOCALISED	LONG TERIVI	DEFINITE	BENEFICIAL	WIODLINATE	with landowners.	VERT DIFFICULT	WIODERATE		
LANDOWNLING	them through an annual fee. Details of the option- to-lease agreements are confidential. However, the compensation will increase the landowners'	NO-GO			NO IMPA				NO IMPA	СТ		

	SYN	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	incomes and revenue and can be used to further invest in their properties, increase productivity and employment, or improve financial security. It is however also worth noting that the rezoning of agricultural land for renewable energy infrastructure purposes usually results in higher payable property taxes, which, if not considered during the negotiation process, could result in a negative trade-off for landowners. Cumulative impact, on a localised scale, would be MODERATE should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on XX.									
SOCIO-ECONOMIC CONTRIBUTION /	A needs assessment will be done with the affected parties (municipalities, beneficiary communities,	DIRECT	REGIONAL	LONG TERM	DEFINITE	SLIGHTLY BENEFICIAL	LOW+	Involve the local and district municipalities' LED Units in all processes when SED and ED projects	ACHIEVABLE	MODERATE +
COMMUNITY DEVELOPMENT	etc.) to identify suitable projects for SED and ED, which is usually aligned with IDP and LED priorities. Once the identified beneficiaries have been	CUMULATIVE	REGIONAL	LONG TERM	DEFINITE	SLIGHTLY BENEFICIAL	LOW +	and suitable candidates for projects and/or training programmes are identified. A Make gender and Youth issues a specific	ACHIEVABLE	MODERATE +
	evaluated according to stringent evaluation criteria a contract is entered with them for the specified duration of the projects. Monitoring is done to ensure that the projects deliver as per their proposals. The IPP is required to report quarterly to the DMRE's Independent Power Producer Office (IPPO), which allows the IPPO to monitor use of SED and ED funds as committed by the Project (approximately 2.1% of revenue), as well as monitor the impact such contributions have on the communities through funding of existing projects and enterprises. Consultation with municipal stakeholders for this Project and for previous RE projects in other provinces identified the need for: More transparency during the annual monitoring processes so that it is clear for municipalities whether the budget allocated towards SED and ED has been used adequately; A greater commitment to link with the LED initiatives already identified in the IDP; Coordination between SED and ED initiatives of the various RE projects in the region through a central Forum or similar structure so that initiatives are not duplicated. This will also enable the implementation of larger projects that will have a greater impact for the region.							outcome of the needs analysis to ensure that these groups are targeted. In conjunction with other IPP's in the region or in the RE corridor / RE Zone set up and establish a Forum (or similar structure) to coordinate community development initiatives. Meet on a quarterly basis to provide feedback and ensure transparency. Ensure further transparency and effective information sharing through industry associated websites, emailed newsletters, municipal noticeboards, information events and meetings and existing community channels used by the various wards. Become involved in local initiatives that address existing backlogs, such as the establishment and training of an Emergency Unit / Response Team for fire prevention and emergencies (e.g. with volunteers such as farmers), hospital support (e.g. equipment, training of staff where there are staff shortages, etc.) and so forth to ensure that real community based needs are met. Link with existing NGO's and pre-established projects but make it a requirement (and set targets) for the establishment of new community-driven development processes and for NGO's to assist in skills transfer to these new groups and processes.		

	SYN	THESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIAL	LIST REPORTS		
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TRAINING / SKILLS	Cumulative impact, on a localised scale, would be MODERATE should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would not impact the SEIA ratings significantly. Training and skills development initiatives during	DIRECT	REGIONAL	LONG TERM	MAY OCCUR	SLIGHTLY	LOW+	↓ Identify existing NGO's to assist in training and	ACHIEVABLE	MODERATE +
DEVELOPMENT /	operations are likely to occur in the following ways:					BENEFICIAL		skills transfer to communities and Officials.		
CAPACITY BUILDING	Formal and on-the-job training for permanent and temporary employees to allow them to perform	CUMULATIVE	REGIONAL	LONG TERM	MAY OCCUR	SLIGHTLY BENEFICIAL	LOW +	Link with existing training workshops and programmes for SMME development that are	ACHIEVABLE	MODERATE +
	their tasks safely and adequately; Training / education programmes through ED contributions; Offering of bursaries and internships; Skills development and capacity building of municipal Officials during the negotiation processes and stakeholder relations. The implementation and operation of RE projects require local government involvement to assist with managing stakeholder and community relations. This poses various challenges, as there might be shortfalls in terms of capacity and management experience within the municipalities. Emphasis is therefore again placed on the involvement of local government throughout operations to enable the Officials to gain experience and develop skills that will be to the advantage of the Project as well as for the municipalities over the long-term. Cumulative impact, on a localised scale, would be	NO-GO			NO IMPA			done by municipal LED Units. In collaboration with other IPPs operational in the region, establish a SMME "Village" and training centre to coordinate training efforts of SMMEs and individuals. Link with bigger institutions such as Universities and Further Education and Training (FET) institutes to increase the impact of training and skills development in the region.	NO IMP	PACT
	LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would not impact the SEIA ratings significantly.									
LAND USE IMPACTS	The total footprint of the turbines and ancillary	DIRECT	LOCALISED	LONG TERM	UNLIKELY	SLIGHT	LOW -	None suggested	VERY DIFFICULT	LOW -
	· · · · · · · · · · · · · · · · · · ·	CUMULATIVE NO-GO	LOCALISED	LONG TERM	UNLIKELY NO IMPA	SLIGHT	LOW -		VERY DIFFICULT NO IMP	LOW -
	grazing capacity of 26 to 28 hectares per LSU, the loss in land amounts to a loss of only about 2.7 LSU.	NO-GO			NO IIVIPA	.C.1			INO IIVIP	ACI
	No high potential agricultural or cultivated land will									
	be lost.									
	Cumulative impact, on a localised scale, would be									

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTE	RACTED FROM	THE SPECIAL	LIST REPORTS		
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	low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would not impact the SEIA ratings									
IMPACTS ON LAND	significantly. Incomes earned through long-term lease	DIRECT	STUDY	LONG TERM	MAY OCCUR	SLIGHT	LOW -	∴ None suggested	VERY DIFFICULT	LOW -
VALUES	agreements will have an economic benefit and	DIRECT	AREA	20110 121111	MAT OCCOR	32.0111	2011	None suggested	VERT BITTICOET	2011
	could increase farmland values and returns for the	CUMULATIVE	STUDY	LONG TERM	MAY OCCUR	SLIGHT	LOW -		VERY DIFFICULT	LOW -
	duration of operations. However, impacts on		AREA							
	farmland values remain an inconclusive topic, since	NO-GO			NO IMPA	CT			NO IMPA	ACT
	emotional factors and negative perceptions associated with the wind farm facility (such as									
	aesthetics, visual impacts, noise, sense of place and									
	so forth) could affect individual prospective buyers'									
	interests and possibly prolong sales periods, which									
	could be to the detriment of land values. In addition									
	to negative perceptions, other variables such as the impact on land uses, location, proximity of wind									
	turbines and lease agreement terms can have a									
	significant impact on the marketability of rural land									
	holdings (Peardon, 2013).									
	It is thus the opinion of the SEIA Specialist that									
	negative impacts on land values during the operational phase of the Taaibos South WEF are									
	unlikely, but that individual negative perceptions									
	towards the infrastructure could affect property									
	sales negatively in terms of possible prolonged sale									
	periods and fewer buyers' interests.									
	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters									
	construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would not impact the SEIA ratings significantly.									
IMPACTS ON TOURISM	Should impacts on tourism as a result of this project manifest, it will likely be due to visual impacts and	DIRECT	STUDY AREA	LONG TERM	MAY OCCUR	SLIGHT	LOW -	 Should the affected tourism establishment raise complaints and/or concerns, consult 	VERY DIFFICULT	LOW -
		CUMULATIVE	STUDY	LONG TERM	MAY OCCUR	SLIGHT	LOW -	with them and consider to remove the	VERY DIFFICULT	LOW -
	the PKSDM district contributes 15.6% to the		AREA			32.0	1011	turbine/s that they perceive could be	12 5 110021	2011
	provincial GVA, of which the Ubuntu LM is only a	NO-GO		•	NO IMPA	ст		problematic.		
	small contributor.									
	Only one accommodation / tourism establishments									
	has been identified in the study area, i.e. Meltonwold, a historical Karoo Guest Farm located									
	merconwold, a motorical karoo duest i armi located	<u> </u>	<u> </u>						1	

ICCLIE						RACTED FROM			DEVEDS A DILITY /	SIGNIFICANI
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	about 8 km north of the nearest wind turbine. The						I	1	 I	
	VIA (Nuleaf, October 2022) determined that the potential visual impact on sensitive receptors						1	1	ı	
	within the local area (5 – 10 km offset) is likely to be						j	1	ı	
	of high significance.	1					1		i	
	Cumulative impact, on a localised scale, would be	1					1	1	ı	
	low should the Taaibos and Soutrivier WEF clusters						1	1	ı	
	construction timelines overlap. However, it is						1	1	ı	
	important to note that the 5 WEFs and their						1	1	ľ	
	associated infrastructure are proposed by the same						1	1	ľ	
	developer and the EMPrs will be prepared to the	1					j	1	ľ	
	same standard.	1					1	1	ı	
	No-go alternative would not impact the SEIA ratings	1					1	1	ı	
TO THE STREET OF	significantly.	+ -:===				TOTAL ARE CELVEDE			· · · · · · · · · · · · · · · · · · ·	2. COPEDATE
PACTS ON SENSE OF PLACE	The Project is located in an area with low crime levels and has an overall feeling of solitude and		STUDY AREA	LONG TERM	PROBABLE	MODERATE SEVERE	MODERATE -	Implement an effective Land Use Management programme in collaboration with the	VERY DIFFICULT	MODERATE -
PLACE	_			LONG TERM	PROBABLE	MODERATE SEVERE	MODERATE -	landowners.	VERY DIFFICULT	MODERATE -
	term impact on the sense of place for this WEF		AREA	10110 121111			WIGDER	→ Implement all mitigation and management	VERT DITT. 301.	WIG J.
	project would thus relate to a potential change in	NO-GO		<u> </u>	NO IMPA	ACT		measures as proposed	ı	
	the landscape character, intrusion impacts and any					-	j	A Rehabilitate the veld to its original state post	ľ	
	changes to the safety and social surroundings of						j	the operational phase.	ľ	
	community members.	1					j	1	ľ	
	Cumulative impact, on a localised scale, would be						1		i	
	low should the Taaibos and Soutrivier WEF clusters						j	1	ľ	
	construction timelines overlap. However, it is						1	1	ı	
	important to note that the 5 WEFs and their						1	1	ı	
	associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the						j	1	ľ	
	same standard.	1					1	1	ľ	
	No-go alternative would not impact the SEIA ratings	1					1	1	ı	
	significantly.	1					1	1	ı	
TRUSION IMPACTS	The NIA (de Jager, October 2022) rated both	DIRECT	STUDY	LONG TERM	PROBABLE	MODERATE SEVERE	MODERATE -		VERY DIFFICULT	MODERAT
7,00	daytime and night-time operational activities		AREA	J J	1	1		programme (procedures when gates are	1	A
	(noises form wind turbines) when considering the			LONG TERM	PROBABLE	MODERATE SEVERE	MODERATE -	opened and closed, road maintenance,	VERY DIFFICULT	MODERAT
	worst-case scenario with a low negative		AREA		11			methods to address potential veld fires, no-go		
	significance.	NO-GO			NO IMPA	4CT	1	areas, etc.) in collaboration with the	1	
	The VIA (Nuleaf Planning & Environmental, October						1	landowners.	ľ	
	2022) rated the visual impact on visual receptors in		1				I	↓ Implement all mitigation and management	ı	
	close proximity (within 5km) with a very high		1				I	measures as proposed in the VIA and NIA	ſ	
	negative significance and those located between 5						1	Specialist reports.	ı	
	and 20 km ranging from between high and						1	1	ľ	
	moderate negative significance. The visual impact of shadow flicker is rated with a moderate						1	1	ı	
	of snadow flicker is rated with a moderate significance.	1					1	1	ı	
	Traffic on local access roads will not increase	1	1				1		ſ	
	significantly as maintenance and repairs to		1				1		ĺ	
	infrastructure will be done intermittently.								1	
	Cumulative impact, on a localised scale, would be XX	1					I		ĺ	
	should the Taaibos and Soutrivier WEF clusters		1				1		ĺ	
	construction timelines overlap. However, it is		1				1	1	ľ	
	important to note that the 5 WEFs and their							i e	4	

	SYI	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIAL	LIST REPORTS		
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	associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would not impact the SEIA ratings significantly.									
CONTRIBUTION TO	The proposed Taaibos South WEF will generate	DIRECT	NATIONAL	LONG TERM	DEFINITE	SLIGHTLY BENEFICIAL	MODERATE +	∧ None suggested.	VERY DIFFICULT	MODERATE +
NATIONAL POWER	electricity and enhance the reliability and stability	CUMULATIVE	NATIONAL	LONG TERM	DEFINITE	SLIGHTLY BENEFICIAL			VERY DIFFICULT	MODERATE +
SUPPLY	of supply that would contribute to economic	NO-GO								
	development in the country as a whole.									
	Cumulative impact on a localized scale would be									
	Cumulative impact, on a localised scale, would be MODERATE should the Taaibos and Soutrivier WEF									
	clusters construction timelines overlap. However, it									
	is important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would not impact the SEIA ratings									
	significantly.									
						IMPACT ASSESSMENT				
POTENTIAL	Permanent or temporary loss of indigenous	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	Blanket clearing of vegetation must be limited	DIFFICULT	LOW -
TERRESTRIAL		CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	to the site. No clearing outside of required	DIFFICULT	LOW -
BIODIVERSITY IMPACTS	clearing before construction will result in the blanket clearing of vegetation within the affected	NO-GO			NO IMPA	ACT		footprint required for construction to take place.	NO IMP	ACT
VEGETATION	footprint. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard.							 Topsoil must be striped and stockpiled separately during site preparation and replaced on completion where revegetation will take place. Any site camps and laydown areas requiring clearing must be located within already disturbed areas as far as possible, or away from watercourses, alluvial areas and other sensitive features (rocky outcrops). 		
	No-go alternative would result in no impact on							jeutures (rocky outerops).		
	vegetation.									
POTENTIAL	Loss of flora species of special concern during pre-	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	A flora search and rescue is recommended	EASY	LOW -
TERRESTRIAL	construction site clearing activities. Several special	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	before commencement.	EASY	LOW -
BIODIVERSITY IMPACTS	of concern are known from surrounding areas,	NO-GO			NO IMPA	ACT		Respective permits to be obtained beforehand.	NO IMP	ACT
ELODA CDECIEC	which could be destroyed during site preparation.									
FLORA SPECIES	Cumulative impact, on a localised scale, would be									
	low should the Taaibos and Soutrivier WEF clusters									
	construction timelines overlap. However, it is									
	important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would result in no impact on floral									
POTENTIAL	species. Susceptibility of post construction disturbed areas	DIRECT	LOCALISED	SHORT	DEFINITE	SLIGHT	LOW -	Alien trees and weeds must be removed from	EASY	LOW -
TERRESTRIAL	to invasion by exotic and alien invasive species and	DIRECT	LOCALISED	TERM	DEFINITE	JEIGITI	2000	the site as per CARA/ NEMBA requirements.	LAST	2000
BIODIVERSITY IMPACTS	removal of exotic and alien invasive species during	CUMULATIVE	LOCALISED	SHORT	DEFINITE	SLIGHT	LOW -	A suitable weed and alien invasive plant	EASY	LOW -
	, , ,							r · · · · ·	-	

SYNTHESIS OF SPECIALIST IMPACTS AS EXTRACTED FROM THE SPECIALIST REPORTS												
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION		
	construction. Post construction disturbed areas			TERM				management plan to be implemented in				
ALIEN INVASIVE SPECIES	having no vegetation cover are often susceptible to invasion by weedy and alien species, which can not only become invasive but also prevent natural flora from becoming established. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard.	NO-GO			NO IMPA	CT		construction and operation phases. After clearing and construction is completed, an appropriate cover crop may be required, should natural re-establishment of grasses not take place in a timely manner, such as along road verges. This will also minimise dust.	NO IMPAC	Τ		
	No-go alternative would result in no impact on alien invasive species.											
POTENTIAL	Susceptibility of some areas to erosion because of	DIRECT	LOCALISED	SHORT	POSSIBLE	SLIGHT	LOW -	→ Suitable measures must be implemented in	EASY	LOW -		
TERRESTRIAL BIODIVERSITY IMPACTS	= ·	CUMULATIVE	LOCALISED	TERM SHORT	POSSIBLE	SLIGHT	LOW -	areas that are susceptible to erosion. Areas must be rehabilitated, and a suitable cover crop	EASY	LOW -		
EROSION	some areas being susceptible to soil erosion after completion of the activity.	NO-GO		TERM	NO IMPA	.CT		planted once construction is completed. Topsoil must be stripped and stockpiled	NO IMPAC	CT		
EROSION	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard.	NO-GO			NO IIVIPA	ici		separately and replaced on completion. If natural vegetation re-establishment does not occur, a suitable grass must be applied.	NO IIVIPAC	,1		
	No-go alternative would result in no impact on erosion.											
POTENTIAL	Disturbances to ecological processes: Activity may	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	Blanket clearing of vegetation must be limited	DIFFICULT	LOW -		
TERRESTRIAL	result in disturbances to ecological processes such		LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	to the development footprint, and the area to	DIFFICULT	LOW -		
BIODIVERSITY IMPACTS	as fragmentation (road, etc).	NO-GO			NO IMPA	CT		be cleared must be demarcated before any clearing commences.	NO IMPAC	îT		
ECOLOGICAL PROCESSES	Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on ecological processes.											
POTENTIAL	Aquatic and Riparian processes: Diversion and	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	→ Suitable structures to be constructed at	EASY	LOW -		
TERRESTRIAL BIODIVERSITY IMPACTS AQUATIC AND RIPARIAN PROCESSES	increased velocity of surface water flows – Changes to the hydrological regime and increased potential for erosion. Impact of changes to water quality. Loss of riparian vegetation / aquatic habitat. Loss of species of special concern.	NO-GO	LOCALISED	PERMANENT	DEFINITE NO IMPA	MODERATE CT	MODERATE -	watercourse crossings that do not alter flows. Stormwater discharge into watercourses to be protected against erosion.	EASY NO IMPAC	LOW -		
	Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF											

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	clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on aquatic and riparian processes.									
POTENTIAL	Loss of Faunal Habitat: Activity may result in the loss	DIRECT	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	→ Blanket clearing of vegetation must be limited	DIFFICULT	LOW -
TERRESTRIAL	of habitat for faunal species, which could result in	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	SLIGHT	LOW -	to the construction footprint required.	DIFFICULT	LOW -
FAUNAL HABITAT	disturbance and displacement of faunal species. Cumulative impact, on a localised scale, would be LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on faunal habitat.	NO-GO			NO IMPA	ACT		 Rocky outcrop areas and Riverine Rabbit Habitat to be avoided as far as possible. It is important that clearing activities are kept to the minimum and take place in a phased manner, where applicable. This allows any smaller animal species to move into safe areas and prevents wind and water erosion of the cleared areas. 	NO IMP	ACT
POTENTIAL	Impacts to faunal processes because of the activity	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	LOW -	★ The habitats and microhabitats present on the	DIFFICULT	LOW -
TERRESTRIAL	such as erection of barriers to movement.	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	LOW -	project site are not unique and are widespread	DIFFICULT	LOW -
BIODIVERSITY IMPACTS		NO-GO			NO IMPA	ACT		in the general area, hence the local impact	NO IMP	ACT
FAUNAL PROCESSES	Cumulative impact, on a localised scale, would be LOW should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on faunal processes.							associated with the footprint would be of low significance if mitigation measures are adhered to. **Small mammals within the habitat on and around the affected area are generally mobile and likely to be transient to the area. They will most likely vacate the area once construction commences. As with all construction sites there is a latent risk that there will be some accidental mortalities. Specific measures are made to reduce this risk. The risk of species of special concern is low, and it is unlikely that there will be any impact to populations of such species because of the activity. **Reptiles such as lizards are less mobile compared to mammals, and some mortalities could arise. It is recommended that a faunal search and rescue be conducted before construction commences, although experience has shown that there could still be some mortalities as these species are mobile and may thus move onto site once construction is underway. A retile handler should be on call for such circumstances. **Should any amphibian migrations occur between wetland areas during construction, appropriate measures (including temporarily suspending works in the affected area) should be implemented.		

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POTENTIAL	Loss of faunal SSC due to construction activities:	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	A pre-commencement faunal search and rescue	DIFFICULT	LOW -
TERRESTRIAL	Activities associated with bush clearing, killing of	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	is recommended.	DIFFICULT	LOW -
BIODIVERSITY IMPACTS	perceived dangerous fauna, may lead to increased	NO-GO			NO IMPA	ACT		Respective permits to be obtained beforehand.	NO IMPA	СТ
	mortalities among faunal species.							No animals are to be harmed or killed during		
FAUNAL SPECIES								the course of operations.		
	Cumulative impact, on a localised scale, would be							Workers are NOT allowed to snare any faunal		
	moderate should the Taaibos and Soutrivier WEF							species.		
	clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their									
	associated infrastructure are proposed by the same									
	developer and the EMPrs will be prepared to the									
	same standard.									
	No-go alternative would result in no impact on									
	faunal species.									
POTENTIAL RISKS TO	The development may fragment an already highly	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	Minimising the project footprint by utilising	DIFFICULT	LOW -
FAUNA SPECIES OF	fragmented landscape which may create barriers to		LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	existing roads and disturbed areas as much as	DIFFICULT	LOW -
CONSERVATION	geneflow where subpopulations are disconnected	NO-GO		1	NO IMPA			technically possible.	NO IMPA	
CONCERN:	and isolated. Roads and fences can affect the							Locate developments away from identified		
	quality and quantity of available habitat, most							sensitive habitats, this includes no go zones and		
HABITAT LOSS,	notably through fragmentation, creating barriers to							buffer zones for turbine pads, electrical		
DEGRADATION AND	animal movement. Erosion from construction may							substations and housing facilities as well as		
FRAGMENTATION	degrade the habitat and direct loss of habitat will							construction laydown areas.		
	occur due to necessity of access roads.							↓ Implementing adequate dust control and		
								erosion control.		
	Cumulative impact, on a localised scale, would be							Careful planning of road layout to minimise the		
	moderate should the Taaibos and Soutrivier WEF							length of roads traversing through riverine		
	clusters construction timelines overlap. However, it							habitats and rocky ridges that have been		
	is important to note that the 5 WEFs and their associated infrastructure are proposed by the same							identified as Very high or high sensitivity which may create barriers and fragment habitats.		
	developer and the EMPrs will be prepared to the							Establish wildlife passes, where artificial		
	same standard.							barriers are found; this particularly refers to		
	No-go alternative would result in no impact on							physical barriers such as roads and fences.		
	habitat loss, degradation and fragmentation with							 ✓ Develop and implement a site-specific spill 		
	regards to faunal species.							management plan.		
POTENTIAL RISKS TO	Disturbance will be primarily in the form of visual	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -		DIFFICULT	LOW -
FAUNA SPECIES OF	and noise effects as well as general human	CUMULATIVE		PERMANENT	DEFINITE	MODERATE	MODERATE -	measures, including the use of insulation to	DIFFICULT	LOW -
CONSERVATION	activities. Visual stimuli from movements of the	NO-GO			NO IMPA			reduce noise output from turbine hubs.	NO IMPA	
CONCERN:	turbine blades may cause a disturbance which may							→ Temporal (curtailment) restrictions. Temporal		
	be far reaching due to the site being open and							restriction strategies can focus on altering		
DISTURBANCE	unobscured. Noise effect from construction and							turbine operation during times or weather		
	associated human activities during this phase is							conditions when wildlife is most active or		
	highly probable. This impact will reduce once the							where a negative impact has been found		
	WEF is operational however there will be continued							during the monitoring program.		
	noise pollution from turbines from both the hub							→ Targeted operational timing by working with		
	and the swish of the blades.							wind facility managers to target specific		
	Cumulative impact, on a localised scale, would be							turbines under certain weather conditions		
	moderate should the Taaibos and Soutrivier WEF							where a negative impact has been identified. This may require changing the minimum		
	clusters construction timelines overlap. However, it							windspeed at which turbines begin to turn and		
	is important to note that the 5 WEFs and their							generate energy (cut-in speed) so that they idle		
	associated infrastructure are proposed by the same							during gentle wind and in so doing reduce		
	developer and the EMPrs will be prepared to the							noise during periods of low ambient noise.		
	developer and the Livil is will be prepared to the	<u> </u>	<u>I</u>					noise daring periods or low difficient floise.		

ISSUE	DESCRIPTION OF IMPACT	NATURE OF	SPATIAL	TEMPORAL	CERTAINTY	SEVERITY /	SIGNIFICANCE	MITIGATION MEASURES	REVERSABILITY/	SIGNIFICANCE
		IMPACT	SCALE (EXTENT)	SCALE (DURATION)	SCALE (PROBABILITY/ LIKELIHOOD)	BENEFICIAL SCALE	PRE- MITIGATION		MITIGATION	POST- MITIGATION
POTENTIAL RISKS TO FAUNA SPECIES OF	same standard. No-go alternative would result in no impact on disturbance of faunal species of conservation concern. There is an increased collision risk from increased traffic levels at the site and in the general area. This	DIRECT CUMULATIVE	LOCALISED LOCALISED	PERMANENT PERMANENT	DEFINITE DEFINITE	MODERATE MODERATE	MODERATE - MODERATE -	 Minimise development lighting in order to minimise light pollution, disturbance to animals at night; Minimize noise disturbance during constructions where construction takes place within 1000 m of Very high and high sensitivity habitats. Restricting noise to daytime (9 am – 4 pm) periods when most fauna are less active. Careful planning of roads to minimise the length that traverses through riverine and 	DIFFICULT DIFFICULT	LOW -
CONSERVATION CONCERN: MORTALITY FROM ROAD COLLISION	impact is likely to be of highest concern during construction but is also expected during the operational phase. Roads and roadsides may attract SCC such as Riverine Rabbits and Karoo Dwarf Tortoises due to verge edge enhancement of vegetation and roads may be used to facilitate movement, thus further increasing collision risks. Access roads that traverse riverine habitats require careful planning and monitoring to reduce risk of rabbit mortality. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on faunal species in relation to road collision mortality.	NO-GO	LOCALISED	FERIVIANCINI	NO IMPA			rocky habitats that have been identified as Very high or high sensitivity. Use existing roads as much as possible. Roadkill monitoring program on both internal and external public roads targeting sensitive habitats and wildlife corridors. Roadkill Monitoring programs must be initiated at preconstruction phase and continued during construction and post-construction as well as conducted over different seasons. Pre-construction road planning to identify target sites for wildlife crossing structures which should be considered during the EIA process and with pre-construction roadkill monitoring findings. Wildlife crossing structures must be made in consultation with road planner, construction manager and wildlife biologist. This is generally more cost effective than retro fixing existing roads. Assess efficiency of roadkill mitigation approaches via a post-implementation roadkill monitoring program. Implementation of speed limits on both internal access WEF roads (40km/h) as well as external public roads (60km/h). Reduced speed limits of 30km/h where roads (both internal and external) cross High and Very high sensitivity areas identified; including riverine habitat, koppies and ecotones which may harbour sensitive species and generally have higher species diversity and abundance Wildlife warning signage and speed reduction measures where roads cross High and Very high sensitivity areas. Education and awareness campaigns on SCC and their habitat must form part of staff induction procedures to help increase awareness, respect and responsibility towards the environment for all staff and contractors. Inductions on safe wildlife passing and driving to reduce possible injury and roadkill alongside roads.	NO IMP	

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
								There is higher risk of collision when animals are more active which is typically from late afternoon to early morning. During these times a low speed limit (30km/h) needs to be implemented. Night-time driving should be avoided as much as possible but if necessary, speed needs to be reduced significantly to avoid collisions. Lagomorph species (hares and rabbits) often freeze in headlights and require headlights to be momentarily turned off to allow the animal to move off the road. Reduced speeds also need to be implemented during reduced visibility such as misty conditions that have been observed on the site. Induction must include reporting of any vehicle/wildlife collision or found roadkill to the appointed Roadkill monitoring personnel. Search and rescue of slow-moving species, specifically Karoo Dwarf Tortoises, during the construction phase. IUCN guidelines for translocation of sensitive species should be consulted. Tortoises will need to be carefully relocated and provided shelter and water-rich food as well as monitoring of threatened species to ensure of their survival. Should a subpopulation be found further consultations with a herpetologist will be required for appropriated mitigation.		
POTENTIAL RISKS TO	The cumulative impact is of concern, given the fact	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	It is important to evaluate the consequences of	DIFFICULT	LOW -
FAUNA SPECIES OF	that the renewable-energy industry is rapidly	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	each development before the next is begun.	DIFFICULT	LOW -
CONSERVATION CONCERN: CUMULATIVE IMPACT	expanding in South Africa. The local fauna is already impacted and threatened by past and current land use and the combination of these existing anthropogenic impacts with planned developments may impact the local fauna with unexpectedly large effects. Cumulative effects can also result where the construction phase occurs at several locations simultaneously or if a new project begins construction immediately following the completion of another. Cumulative effects can cause a small localized effect (which may have a limited effect on its own) to have a significant impact on population level as there may be thresholds where the cumulative effects increase disproportionally. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard.	NO-GO	LOCALISES		NO IMPA		MODERATE	Use a precautionary approach and aim to minimise negative effects even when the effects are not fully known. Ensure the construction phase is done in as short a period as possible and avoid breeding season, typically in the spring after good rains. Construction needs to be done during daytime, avoiding noise and disturbance when faunal communities are most likely active, particularly where the construction is in proximity to their habitat. Sensitive habitats near construction will need to be clearly marked. Relating construction phase of the development with neighbouring developments and farming activity to ensure construction does not begin immediately after the completion of another or simultaneously. The developer instigates a proactive mitigation measure by initiating a multi-stakeholder dialogue at a workshop to clarify these concerns and how they might be taken forward and co-funded. The aim of this mitigation is to	NO IMPA	

	SYI	ITHESIS O	F SPECIA	LIST IMPA	CTS AS EXTR	RACTED FROM	THE SPECIAL	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	No-go alternative would result in no impact from a cumulative faunal species of conservation concern loss perspective.							reduce current impacts that threaten the survival of SCC populations. We recommend a biodiversity wildlife corridor approach whereby protecting sensitive habitats is made a priority. This may include species refuge areas where no form of indiscriminate wildlife killing/snaring is allowed, no or highly reduced livestock grazing, and no pest control including locust spraying is carried out. Poaching and the use of hunting dogs at site is prohibited.		
POTENTIAL RISKS TO	The effect of the wind farm on one species may	DIRECT	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	Initiate a general Fauna Biodiversity	DIFFICULT	LOW -
FAUNA SPECIES OF	have indirect cascading effects (knock on effect) on	CUMULATIVE	LOCALISED	PERMANENT	DEFINITE	MODERATE	MODERATE -	Monitoring program	DIFFICULT	LOW -
CONSERVATION CONCERN: CASCADING IMPACT ACROSS TROPHIC LEVELS	other species within the same community due to ecological relations to one another. This means that an effect on one species may in turn affect many others within the same ecosystem. Cascading effects may be complex and unpredictable as it may be the result of different types of interactions including competition, predation, parasitism, or symbiosis. Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters construction timelines overlap. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no cascading impact across the trophic levels due to the proposed WEF.	NO-GO			NO IMPA	CT		 A Fauna Biodiversity program must be initiated pre-construction to have baseline population status and monitoring must be ongoing post-construction to identify any changes in occupancy in certain species' population which may in turn indirectly impact other fauna populations. ★ We recommend the use of multiple monitoring methods including and not limited to; camera trapping in diverse habitats, targeted camera trapping for SCC; small mammal monitoring with the use of Sherman traps; the use of Conservation Scent Detection Dog teams to assist in detecting SCC. 	NO IMPA	ACT
	WLI.				VISUAL IMPACT A	SSESSMENT				
POTENTIAL VISUAL	The visual impacts of facility operations on sensitive	DIRECT	LOCALISED	LONG TERM	DEFINITE	SEVERE	VERY HIGH -	A Retain / re-establish and maintain natural	VERY DIFFICULT	VERY HIGH -
IMPACT OF FACILITY	visual receptors (i.e., residents of homesteads, as	CUMULATIVE	LOCALISED	LONG TERM	DEFINITE	SEVERE	VERY HIGH -	vegetation in all areas outside of the	VERY DIFFICULT	VERY HIGH -
OPERATIONS ON	well as, observers travelling along the secondary	NO-GO			NO IMPA	СТ		development footprint.	NO IMPA	ACT
SENSITIVE VISUAL RECEPTORS IN CLOSE	road) in close proximity to the proposed Taaibos South WEF (within 5km) is expected to be of very							Maintain the general appearance of the facility as a whole.		
PROXIMITY (< 5KM) TO THE PROPOSED	high significance.							 Monitor rehabilitated areas, and implement remedial action as and when required. 		
DEVELOPMENT	Sensitive visual receptors within this zone include:									
	Users of the various secondary roads									
	Residents of the following homesteads:Taaibosfontein									
	Erasmuskraal									
	o Ramfontein									
	The following homesteads are located on farm portions earmarked for the Victoria West WEF, thereby reducing the probability of this impact occurring on these specific receptors (i.e. it is									
	assumed that these landowners are supportive of									

ISSUE	DESCRIPTION OF IMPACT	NATURE OF	SPATIAL	TEMPORAL	CERTAINTY	SEVERITY /	SIGNIFICANCE	MITIGATION MEASURES	REVERSABILITY/	SIGNIFICANCE
		IMPACT	SCALE (EXTENT)	SCALE (DURATION)	SCALE (PROBABILITY/ LIKELIHOOD)	BENEFICIAL SCALE	PRE- MITIGATION		MITIGATION	POST- MITIGATION
	WEF developments and their associated visual				LIKELIHOOD)					
	impacts):									
	• Altona									
	Spes Bona									
	Lakenvlei									
	Stampfontein									
	Quaggasfontein									
	Quagasionem									
	Cumulative impact, on a localised scale, would be									
	very high should the Taaibos and Soutrivier WEF									
	clusters operational timelines overlap, which is									
	likely. However, it is important to note that the 5									
	WEFs and their associated infrastructure are									
	proposed by the same developer and the EMPrs will									
	be prepared to the same standard.									
	No-go alternative would result in no impact on									
	sensitive visual receptors.									
POTENTIAL VISUAL	The visual impact of facility operations on sensitive	DIRECT	STUDY	LONG TERM	DEFINITE	SEVERE	HIGH -	A Retain / re-establish and maintain large trees,	VERY DIFFICULT	HIGH -
MPACT OF FACILITY	visual receptors (i.e. users of the various secondary		AREA					natural features and noteworthy natural		
OPERATIONS ON	·	CUMULATIVE	STUDY	LONG TERM	DEFINITE	SEVERE	HIGH -	vegetation in all areas outside of the activity	VERY DIFFICULT	HIGH -
SENSITIVE VISUAL	area (between 5 - 10km offset) is expected to be of	NO 60	AREA		110 1110			footprint.	110 1140	
EPTORS WITHIN THE	high significance.	NO-GO			NO IMPA	CT		A Retain natural pockets (wetland, river and	NO IMPA	ACT
CAL AREA (BETWEEN 5 - 10KM)	Sansitive visual recentors within this zone include:							other sensitive vegetation zones) as buffers		
URROUNDING THE	Sensitive visual receptors within this zone include: Users traveling along the various secondary							within the property and along the perimeter. Dust suppression techniques should be in place		
PROPOSED	roads, potential visibility is however scattered							at all times during the site development and		
DEVELOPMENT	along the length of these roads and visual							operational phases.		
DEVELOPIVILINI	intrusion where possible will be brief.							 Access roads will require an effective dust 		
	Residents of the following homesteads:							suppression management programme, such as		
	Arizona							regular wetting and/or the use of non-polluting		
	o Schimmelfontein							chemicals that will retain moisture in the road		
	Taaibosfontein							surface.		
	Suikerkolk							→ Downscaling of operations.		
	Duikerfontein							 Keeping infrastructure at minimum heights. 		
	o Ramfontein							★ Introducing landscaping measures such as		
								vegetating berms.		
	The following homesteads are located on farm							Avoid the use of highly reflective material.		
	portions earmarked for the Victoria West WEF,							Metal surfaces, where they occur, should be		
	thereby reducing the probability of this impact							painted in natural soft colours that would blend		
	occurring on these specific receptors (i.e. it is							in with the environment.		
	assumed that these landowners are supportive of							Maintain the general appearance of the site as		
	WEF developments and their associated visual							a whole.		
	impacts):							★ Lighting should be kept to a minimum wherever		
	Boshoek							possible.		
	 Oppermanskraal 							Install light fixtures that provide precisely		
	 Slypfontein 							directed illumination to reduce light "spillage"		
	Stampfontein							beyond the immediate surrounds of the activity		
								– this is especially relevant where the edge of		
	Cumulative impact, on a localised scale, would be							the activity is exposed to residential properties.		
	high should the Taaibos and Soutrivier WEF clusters							→ Wherever possible, lights should be directed		
			Ì					1		
	operational timelines overlap, which is likely.							downwards to avoid illuminating the sky.		

ISSUE	DESCRIPTION OF IMPACT	NATURE OF	SPATIAL	TEMPORAL	CERTAINTY	SEVERITY /	SIGNIFICANCE	MITIGATION MEASURES	REVERSABILITY/	SIGNIFICANCE
		IMPACT	SCALE (EXTENT)	SCALE (DURATION)	SCALE (PROBABILITY/ LIKELIHOOD)	BENEFICIAL SCALE	PRE- MITIGATION		MITIGATION	POST- MITIGATION
POTENTIAL VISUAL	their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on sensitive visual receptors. The visual impact of facility operations on sensitive	DIRECT	STUDY	LONG TERM	PROBABLE	MODERATE	MODERATE -	periphery of the site and use only lights that are activated on movement. A Retain / re-establish and maintain large trees,	VERY DIFFICULT	MODERATE -
IMPACT OF FACILITY OPERATIONS ON	visual receptors (i.e. users of the various secondary	CUMULATIVE	AREA STUDY	LONG TERM	PROBABLE	MODERATE	MODERATE -	natural features and noteworthy natural vegetation in all areas outside of the activity	VERY DIFFICULT	MODERATE -
SENSITIVE VISUAL	visitors to region, and residents of homesteads)		AREA	LONG TERM			WODERATE -	footprint.		
RECEPTORS WITHIN THE DISTRICT (BETWEEN 10 - 20KM) SURROUNDING THE PROPOSED DEVELOPMENT	within the district (between 10 - 20km offset) is expected to be of moderate significance. Sensitive visual receptors within this zone include: Users traveling along portions of the N12, R63 and various secondary roads, potential visibility is however scattered along the length of these roads and visual intrusion where possible will be brief. Residents of the following homesteads: Rietfontein Klipgat Witbank Ystervarkpoort Moreson Bitterwater Meltonwold Rooivlakte Biesiespoort Burgershoek Suikerkolk Jakkalsdans Nuwelande Duikerfontein Droëfontein Midlands Slangfontein Uilspoort Grootfontein Taaiboschfontein Rocklands Vlakfontein Leeufontein Bultfontein The following homesteads are located on farm portions earmarked for the Victoria West WEF, thereby reducing the probability of this impact occurring on these specific receptors (i.e. it is assumed that these landowners are supportive of WEF developments and their associated visual	NO-GO			NO IMPA	CT		Retain natural pockets (wetland, river and other sensitive vegetation zones) as buffers within the property and along the perimeter. Dust suppression techniques should be in place at all times during the site development and operational phases. Access roads will require an effective dust suppression management programme, such as regular wetting and/or the use of non-polluting chemicals that will retain moisture in the road surface. Downscaling of operations. Keeping infrastructure at minimum heights. Introducing landscaping measures such as vegetating berms. Avoid the use of highly reflective material. Metal surfaces, where they occur, should be painted in natural soft colours that would blend in with the environment. Maintain the general appearance of the site as a whole. Lighting should be kept to a minimum wherever possible. Install light fixtures that provide precisely directed illumination to reduce light "spillage" beyond the immediate surrounds of the activity — this is especially relevant where the edge of the activity is exposed to residential properties. Wherever possible, lights should be directed downwards to avoid illuminating the sky. Avoid high pole top security lighting along the periphery of the site and use only lights that are activated on movement.	NO IMPA	ACT

* Startfortion * Startfortion		SYN	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXTI	RACTED FROM	THE SPECIA	LIST REPORTS		
Description on a continue state, send of continue state, send of continues continues of the state of	ISSUE	DESCRIPTION OF IMPACT		SCALE	SCALE	SCALE (PROBABILITY/		PRE-	MITIGATION MEASURES		SIGNIFICANCE POST- MITIGATION
SERTIVE VISUAL RECEPTORS within the region (beyond the 20km RECEPTORS within the region (beyond the 20km RECEPTORS within the region (beyond the 20km Sensitive visual receptors within this zone include: "User stradeing along protons of the NLT, RB3, 8381 and various secondary roads, potential visibility is however scattered along the length of these roads and visual intrusion where passible will be their a set development and operational phases. Access roads will require on effective dust suppression techniques should be in place at all times during the times during the sets development and operational phases. Access roads will require on effective dust suppression management programms, such as regular on effective dust suppression management programms, such as regular wetting and/or the use of non-publicing chemicals that will retain mosture in the road surface and that these landershill yet of this impact of WEF developments and their associated visual impagration of the sociated visual impagration of the socia	IMPACT OF FACILITY	 Oorlogsfontein Slypfontein Cumulative impact, on a localised scale, would be moderate should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on sensitive visual receptors. The visual impact of facility operations on sensitive visual receptors (i.e., users of the various secondary 	CUMULATIVE			UNLIKELY	MODERATE		natural features and noteworthy natural	VERY DIFFICULT	LOW -
	SENSITIVE VISUAL RECEPTORS WITHIN THE REGION (> 20KM)	homesteads) within the region (beyond the 20km offset) is expected to be of low significance. Sensitive visual receptors within this zone include: Users traveling along portions of the N12, R63, R381 and various secondary roads, potential visibility is however scattered along the length of these roads and visual intrusion where possible will be brief. Residents of various homesteads (refer to Section 6.6 of the VIA for a full list). The following homesteads are located on farm portions earmarked for the Victoria West WEF, thereby reducing the probability of this impact occurring on these specific receptors (i.e. it is assumed that these landowners are supportive of WEF developments and their associated visual impacts): Liebenbergsdam Boschrug Blindefontein Drupfontein Middlewater Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters operational timelines overlap, which is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact on sensitive visual receptors.							footprint. Retain natural pockets (wetland, river and other sensitive vegetation zones) as buffers within the property and along the perimeter. Dust suppression techniques should be in place at all times during the site development and operational phases. Access roads will require an effective dust suppression management programme, such as regular wetting and/or the use of non-polluting chemicals that will retain moisture in the road surface. Downscaling of operations. Keeping infrastructure at minimum heights. Introducing landscaping measures such as vegetating berms. Avoid the use of highly reflective material. Metal surfaces, where they occur, should be painted in natural soft colours that would blend in with the environment. Maintain the general appearance of the site as a whole. Lighting should be kept to a minimum wherever possible. Install light fixtures that provide precisely directed illumination to reduce light "spillage" beyond the immediate surrounds of the activity — this is especially relevant where the edge of the activity is exposed to residential properties. Wherever possible, lights should be directed downwards to avoid illuminating the sky. Avoid high pole top security lighting along the periphery of the site and use only lights that are activated on movement.		
						1					MODERATE -

	SYN	NTHESIS O	F SPE <u>CIA</u>	LIST IMP <u>A</u>	CTS AS EXT	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
LIGHTING AT NIGHT ON SENSITIVE VISUAL RECEPTORS IN THE REGION	that any light trespass and glare from the security and after-hours operational lighting for the facility will have some significance. In addition, the remote sense of place and rural ambiance of the local area increases its sensitivity to such lighting intrusions. Another source of glare light is the aircraft warning lights mounted on top of the hub of the wind turbines. While these lights are less aggravating due to the toned-down red colour, they do have the potential to be visible from a greater distance then general operational lighting, especially due to the strobing effect of the lights, a function specially designed to attract the viewers' attention. The Civil Aviation Authority (CAA) prescribes these warning lights and the potential to mitigate their visual impacts is low. The possibility of limiting aircraft warning lights to the turbines on the perimeter according to CAA requirements, thereby reducing the overall impact, is recommended to be investigated. Some ground-breaking new technology in the development of strobing lights that only activate when an aircraft is detected nearby. This may aid in restricting light pollution at night and should be investigated and implemented by the project proponent, if available and permissible by the CAA. This new technology is referred to as needs-based night lights, which basically deactivates the wind turbine's night lights when there is no flying object within the airspace of the WEF. The system relies on the active detection of aircraft by radar sensors, which relays a switch-on signal to the central wind farm control to activate the obstacle lights. Last is the potential lighting impact is known as sky glow. Sky glow is the condition where the night sky is illuminated when light reflects off particles in the atmosphere such as moisture, dust or smog. The sky glow intensifies with the increase in the number of light sources. Each new light source, especially upwardly directed lighting, contributes to the increase in sky glow. The general lighting of the f	NO-GO			NO IMPA	CT		 ★ The possibility of limiting aircraft warning lights to the turbines on the perimeter according to CAA requirements, thereby reducing the overall impact, must be investigated. ♣ Install aircraft warning lights that only activate when the presence of an aircraft is detected, if permitted by CAA. ♣ Shield the sources of light by physical barriers (walls, vegetation, or the structure itself). ♣ Limit mounting heights of lighting fixtures, or alternatively use foot-lights or bollard level lights. ♣ Make use of minimum lumen or wattage in fixtures. ♠ Make use of down-lighters, or shielded fixtures. ♠ Make use of Iow-Pressure Sodium lighting or other types of low impact lighting. ♠ Make use of motion detectors on security lighting. This will allow the site to remain in relative darkness, until lighting is required for security or maintenance purposes. 	NO IMPA	ACT

	SYN	NTHESIS O	F SPECIAL	LIST IMPA	CTS AS EXTR	RACTED FROM	THE SPECIA	LIST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
POTENTIAL VISUAL IMPACT OF SHADOW FLICKER ON SENSITIVE VISUAL RECEPTORS IN CLOSE PROXIMITY TO THE PROPOSED DEVELOPMENT		DIRECT CUMULATIVE NO-GO	LOCALISED LOCALISED	LONG TERM LONG TERM	POSSIBLE POSSIBLE NO IMPA	MODERATE MODERATE	MODERATE - MODERATE -	None possible.	DIFFICULT DIFFICULT NO IMP.	MODERATE - MODERATE - ACT
	the same standard. No-go alternative would result in no impact on sensitive visual receptors.									
					WAKE EFFECT	STUDY				
WAKE EFFECTS	The operational Noblesfontein WEF does lie	DIRECT			NO IMPA	.CT		→ None suggested		
	downwind of an important wind sector, but				NO IMPA					
	distance and terrain effects are likely to mean no significant impact is experienced at that site. Cumulative impact, on a localised scale, would be low should the Taaibos and Soutrivier WEF clusters operational timelines overlap, this is likely. However, it is important to note that the 5 WEFs and their associated infrastructure are proposed by the	NO-GO			NO IMPA	ст			NO IMP	ACT

	SYI	NTHESIS O	F SPECIA	LIST IMPA	CTS AS EXTR	RACTED FROM	THE SPECIALIS	ST REPORTS		
ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (PROBABILITY/ LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE- MITIGATION	MITIGATION MEASURES	REVERSABILITY/ MITIGATION	SIGNIFICANCE POST- MITIGATION
	same developer and the EMPrs will be prepared to the same standard. No-go alternative would result in no impact related to wake effect as no WEFs would be present on these land parcels.									
					DECOMMISSION					
	ENVIRONMENTAL N	IANAGEMEN'	T PROGRAM				CIALISTS, WHEN TH	IS PHASE BECOMES RELEVANT.		
The garicultural impo	acts associated with the decommissioning phase will be sin	nilar to those lis	ted in the con		RICULTURAL IMPA		must be undated and i	mnlemented to reduce notential adverse imp	acts	
The agricultural impa	icts associated with the decommissioning phase will be sin	mar to those his	teu iii tiie toii	•	AQUATIC IMPACT		must be apaatea ana n	implemented to reduce potential daverse imp	ucts.	
The aquatic impacts of	associated with the decommissioning phase will be similar	to those listed i	n the construc		•		st be updated and imple	emented to reduce potential adverse impacts.		
					VIFAUNAL IMPACT					
The avifaunal impact	s associated with the decommissioning phase will be simil	ar to those liste	d in the consti	ruction phase an		_	ust be updated and imp	plemented to reduce potential adverse impac	ts.	
The hat impacts asso	ciated with the decommissioning phase will be similar to t	hose listed in th	a construction	nhase and the	BAT IMPACT ASS		undated and implemen	nted to reduce notential adverse impacts		
The but impucts usso	ciatea with the aecommissioning phase will be similar to t	nose usteu iii tii	e construction	-	HERITAGE IMPACT		upuatea ana impiemei	neu to reduce potential daverse impacts.		
The heritage impacts	associated with the decommissioning phase will be simila	r to those listed	in the constru				ıst be updated and imp	lemented to reduce potential adverse impact	<u> </u>	
,	3.			,	NOISE IMPACT AS			,		
The noise impacts ass	sociated with the decommissioning phase will be similar to	those listed in	the constructi	-	_		be updated and implem	ented to reduce potential adverse impacts.		
Non-identification				PALAL	EONTOLOGICAL IMI	PACT ASSESSMENT				
None identified by sp	ecialist			DIVI	ERINE RABBIT IMPA	ACT ACCECCMENT				
The socio-economic in	mpacts associated with the decommissioning phase will be	similar to those	e listed in the				ıres must be updated a	nd implemented to reduce potential adverse i	mpacts.	
					IO-ECONOMIC IMP					
The socio-economic in	mpacts associated with the decommissioning phase will be	similar to those	e listed in the	construction pho	ase and the associa	ited mitigations measu	ıres must be updated a	nd implemented to reduce potential adverse	mpacts.	
						IMPACT ASSESSMENT				
The terrestrial biodive	ersity impacts associated with the decommissioning phase	will be similar t	to those listed	in the construct			measures must be upd	lated and implemented to reduce potential ac	lverse impacts.	
The visual impacts as	sociated with the decommissioning phase will be similar t	n those listed in	the construct	ion nhase and th	VISUAL IMPACT A		he undated and implen	pented to reduce notential adverse impacts		
The visual impuess us	sociated with the accommissioning phase will be similar to	o those histen in	the construct	ion phase and th	WAKE EFFECT		ve apaatea una impien	ionica to reduce potential daverse impacts.		
N . 1										

None identified by specialist