Table 1 - Information

Item	Detail
Ecologist / Fauna Spotter(s) Completing Pre-Clearance Survey	Name: Andrew Taylor and Dan Paje Qualification: Ecologists
Date of Pre-Clearance Survey	12/06/2023
Specific Pre-Clearance Survey Location (Line No./ Tower / Span No.)	L5 Access Points and Access Track 5109-5110 (including minor tower access tracks)
Scope Methodology	Desktop review of vegetation mapping for nominated area In field visual inspection by ecologists of the proposed disturbance area.
Work Package ID	L5 Ecology – Pre-clearance surveys

Table 2 – Pre-Clearance Survey Details

Infrastructure Surveyed					
Tower Footprint	□ Cent		itreline		
Break and Winch Site	□ Parki		king Areas		
Access Track (existing)			ess Track (new)		\boxtimes
Disturbance Area B			er		\boxtimes
Details of Other:	Access Poi	nts 5109 a	and 5110		
Protected Matters	1				
Item	Presence	Identified	Quantum to	Comments	
	Yes	No	Clear (Ha)		
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland ¹²					
Grey Box (<i>Eucalyptus microcarpa</i>) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia ¹²		\boxtimes			
Weeping Myall Woodlands ¹²		\boxtimes			
Natural Grasslands of the Murray Valley Plains ¹²	\boxtimes		3.22 Ha	EPBC Act Thre Ecological Cor	
				Quantum does areas that inter Tower Footprir	rsect with
Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions ²					
Mallee Bird Community of the Murray Darling Depression Bioregion ²					
Plains mallee box woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plains bioregions ²					



Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains ²			0.04 Ha	EPBC Act Threatened Ecological Community
				Quantum does not include areas that intersect with Tower Footprints.
Habitat for A spear-grass (<i>austrostipa metatoris</i>) ²				
Habitat for A spear-grass (<i>austrostipa wakoolica</i>) ²				
Habitat for Mossgiel Daisy ¹²				
Habitat for Sand-hill Spider Orchid ²		\boxtimes		
Habitat for A burr-daisy ²		\boxtimes		
Habitat for Winged Peppercross ¹		\boxtimes		
Habitat for Chariot Wheels ¹²		\boxtimes		
Habitat for Slender Darling Pea ¹²	\boxtimes		2.22 Ha	Mapped vegetation.
Habitat for Yellow Swainson-pea ²		\boxtimes		
Habitat for Plains Wanderer ¹²		\boxtimes		
Habitat for Regent Parrot (eastern subspecies) ¹²		\boxtimes		
Habitat for Superb Parrot ¹²		\boxtimes		

Notes:

1 Protected matter listed within the Notification of Approval EnergyConnect NSW – Eastern Section (EPBC 2020/8766) 2 Protected matter listed within the Revised Biodiversity Development Assessment Report (August 2022)

Management measures required to avoid or minimise impacts to Protected Matters:

- 3.22 Ha of the critically endangered BC Act-listed TEC '*Natural Grasslands of the Murray Valley Plains*' identified within the impact area.
- 0.27 Ha of the critically endangered BC Act-listed TEC 'Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains' identified within the impact area.
- Exclusion Zones to be installed to restrict access to protected matters outside the construction footprint.
 No additional mitigation measures required. Clearing works to be completed in accordance with the approved Biodiversity Management Plan.

Hollow Bearing / Habitat Trees			
Habitat trees and habitat features identified & marked?	Yes 🗆	No 🖂	Comments:
GPS coordinates and habitat trees recorded?	Yes 🗆	No 🛛	Comments:
Nest boxes required?	Yes □	No 🖂	Comments:
Fauna spotter required to be present during clearing activities?	Yes ⊠	No 🗆	Comments: Pre-inspection of grassland also recommended before any ground disturbance.
Weeds			

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Were any Weeds of National Significance or Priority Weeds identified?	Yes 🛛	No 🗆	Details: African Boxthorn (<i>Lycium ferocissimum</i>)	
Environmental Exclusion Zones				
Threatened Species Identified within Disturbance Area B?	Yes 🗆	No 🖂	Details:	
Environmental exclusion zones required?	Yes 🛛	No 🗆	Details: EPBC and BC Act Threatened Ecological Communities.	
Unexpected Finds				
Were any Unexpected Finds identified?	Yes 🗆	No 🖂	Details:	
If yes, has the Environmental Manager been notified?	Yes 🗆	No 🖂	Details:	
Additional Comments				

- Exclusion Zone to be installed prior to construction works commencing.
- Ecologist to be present during clearing activities (including clearance of grassland areas) for protected matters.
- 1.98 Ha of Small Scurf-pea (*Cullen parvum*) identified within the impact area.
- Weeds to be managed in accordance with approved Biosecurity Management Plan.
- Additional weed species scattered within local area: Flaxleaf Fleabane (*Conzya bonariensis*), Paterson's Curse (*Echium plantagineum*), Horehound (*Marrubium vulgare*), Spear Thistle (*Cirsium vulgare*), Horseweed (*Erigeron canadensis*), Bathurst Burr (*Xanthium spinosum*).

Table 3 – Pre-Clearance Approval

Ecologist	
Pre-clearance Assessment Timeframe for Nominated Works	3 months
Name	Andrew Taylor, Madeleine Cicchelli
Signature	Andrew aufor.
Date	08/10/2023
SecureEnergy	
Name	Glenn Hayden
Position	Senior Environmental
Signature	£
Date	09/10/2023

Table 1 - Information

Item	Detail
Ecologist / Fauna Spotter(s) Completing Pre-Clearance Survey	Name: Madeleine Cicchelli Qualification: Ecologists
Date of Pre-Clearance Survey	08/10/2023
Specific Pre-Clearance Survey Location (Line No./ Tower / Span No.)	L5 Disturbance Area B and Centreline between Tower 332 to Dinawan Substation Boundary.
Scope Methodology	Desktop review of vegetation mapping for nominated area informed by previous in field visual inspections (across multiple dates) by ecologists for the proposed disturbance area(s).
Work Package ID	L5 Ecology – Pre-clearance surveys

Table 2 – Pre-Clearance Survey Details

Infrastructure Surveyed			
Tower Footprint		Centreline	\boxtimes
Break and Winch Site		Parking Areas	
Access Track (existing)		Access Track (new)	
Disturbance Area B	\boxtimes	Other	

Details of Other:

Protected Matters

Item	Presence	Presence Identified		Comments
	Yes	No	Clear (Ha)	
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland ¹²				
Grey Box (<i>Eucalyptus microcarpa</i>) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia ¹²				
Weeping Myall Woodlands ¹²		\boxtimes		
Natural Grasslands of the Murray Valley Plains ¹²		\boxtimes		
Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions ²		\boxtimes		
Mallee Bird Community of the Murray Darling Depression Bioregion ²		\boxtimes		
Plains mallee box woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plains bioregions ²				
Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains ²				

Habitat for A spear-grass (<i>austrostipa metatoris</i>) ²		\boxtimes		
Habitat for A spear-grass (<i>austrostipa wakoolica</i>) ²	\boxtimes		2.44 ha	Mapped assumed vegetation.
Habitat for Mossgiel Daisy ¹²		\boxtimes		
Habitat for Sand-hill Spider Orchid ²		\boxtimes		
Habitat for A burr-daisy ²		\boxtimes		
Habitat for Winged Peppercross ¹		\boxtimes		
Habitat for Chariot Wheels ¹²		\boxtimes		
Habitat for Slender Darling Pea ¹²		\boxtimes		
Habitat for Yellow Swainson-pea ²		\boxtimes		
Habitat for Plains Wanderer ¹²		\boxtimes		
Habitat for Regent Parrot (eastern subspecies) ¹²		\boxtimes		
Habitat for Superb Parrot ¹²		\boxtimes		

Notes:

1 Protected matter listed within the Notification of Approval EnergyConnect NSW – Eastern Section (EPBC 2020/8766) 2 Protected matter listed within the Revised Biodiversity Development Assessment Report (August 2022)

Management measures required to avoid or minimise impacts to Protected Matters:

 No additional mitigation measures required. Clearing works to be managed in accordance with the approved Biodiversity Management Plan.

Hollow Bearing / Habitat Trees

Habitat trees and habitat features identified & marked?	Yes 🗆	No 🖂	Comments:
GPS coordinates and habitat trees recorded?	Yes 🗆	No 🖂	Comments:
Nest boxes required?	Yes 🗆	No 🖂	Comments:
Fauna spotter required to be present during clearing activities?	Yes ⊠	No 🗆	Comments: Pre-inspection of grassland also recommended before any ground disturbance.
Weeds			
Were any Weeds of National Significance or Priority Weeds identified?	Yes 🗆	No 🖂	Details:
Environmental Exclusion Zones			
Threatened Species Identified within Disturbance Area B?	Yes 🗆	No 🖂	Details:
Environmental exclusion zones required?	Yes 🗆	No 🖂	Details:

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Unexpected Finds			
Were any Unexpected Finds identified?	Yes 🗆	No 🖂	Details:
If yes, has the Environmental Manager been notified?	Yes 🗆	No 🖂	Details:
Additional Comments			
 Ecologist to be present during clea 2.44ha assumed species presence and Silky Swainson-pea (<i>Swainsor</i> Weeds to be managed in accordan Additional weed species: <i>Avena</i> sp (<i>Xanthium spinosum</i>). 	for Spear G na sericea) id ice with app	Grass (<i>Austr</i> dentified wit roved Biose	ostipa wakoolica), Leptorhynchos orientalis, hin the impact area. curity Management Plan.

Table 3 – Pre-Clearance Approval

Ecologist	
Pre-clearance Assessment Timeframe for Nominated Works	3 months
Name	Madeleine Cicchelli
Signature	
Date	08/10/2023
SecureEnergy	
Name	Glenn Hayden
Position	Senior Environmental
Signature	£
Date	09/10/2023

Table 1 - Information

Item	Detail
Ecologist / Fauna Spotter(s) Completing Pre-Clearance Survey	Name: Madeleine Cicchelli Qualification: Ecologists
Date of Pre-Clearance Survey	06/09/2023
Specific Pre-Clearance Survey Location (Line No./ Tower / Span No.)	L5 Disturbance Area B and Centreline (between Towers 302 to 304)
Scope Methodology	Desktop review of vegetation mapping for nominated area informed by previous in field visual inspections (across multiple dates) by ecologists for the proposed disturbance area(s).
Work Package ID	L5 Ecology – Pre-clearance surveys

Table 2 – Pre-Clearance Survey Details

Infrastructure Surveyed			
Tower Footprint		Centreline	\boxtimes
Break and Winch Site		Parking Areas	
Access Track (existing)		Access Track (new)	
Disturbance Area B	\boxtimes	Other	

Details of Other:

Protected Matters

Item	Presence Identified		Quantum to	Comments
	Yes	No	Clear (Ha)	
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland ¹²				
Grey Box (<i>Eucalyptus microcarpa</i>) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia ¹²				
Weeping Myall Woodlands ¹²		\boxtimes		
Natural Grasslands of the Murray Valley Plains ¹²		\boxtimes		
Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions ²		\boxtimes		
Mallee Bird Community of the Murray Darling Depression Bioregion ²		\boxtimes		
Plains mallee box woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plains bioregions ²				
Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains ²				



Habitat for A spear-grass (<i>austrostipa metatoris</i>) ²	\boxtimes	
Habitat for A spear-grass (<i>austrostipa</i> <i>wakoolica</i>) ²	\boxtimes	
Habitat for Mossgiel Daisy ¹²	\boxtimes	
Habitat for Sand-hill Spider Orchid ²	\boxtimes	
Habitat for A burr-daisy ²	\boxtimes	
Habitat for Winged Peppercross ¹	\boxtimes	
Habitat for Chariot Wheels ¹²	\boxtimes	
Habitat for Slender Darling Pea ¹²	\boxtimes	
Habitat for Yellow Swainson-pea ²	\boxtimes	
Habitat for Plains Wanderer ¹²	\boxtimes	
Habitat for Regent Parrot (eastern subspecies) ¹²	\boxtimes	
Habitat for Superb Parrot ¹²	\boxtimes	
Notes:		

1 Protected matter listed within the Notification of Approval EnergyConnect NSW – Eastern Section (EPBC 2020/8766) 2 Protected matter listed within the Revised Biodiversity Development Assessment Report (August 2022)

Management measures required to avoid or minimise impacts to Protected Matters:

Exclusion zones to be installed to restrict access to protected matters outside the construction footprint. -No additional mitigation measures required. Clearing works to be managed in accordance with the approved _ Biodiversity Management Plan.

Hollow Bearing / Habitat Trees			
Habitat trees and habitat features identified & marked?	Yes 🗆	No 🖂	Comments:
GPS coordinates and habitat trees recorded?	Yes 🗆	No 🛛	Comments:
Nest boxes required?	Yes 🗆	No 🖂	Comments:
Fauna spotter required to be present during clearing activities?	Yes 🗆	No 🛛	Comments:
Weeds			
Were any Weeds of National Significance or Priority Weeds identified?	Yes 🛛	No 🗆	Details: Silverleaf Nightshade (Solanum elaeagnifolium)
Environmental Exclusion Zones			
Threatened Species Identified within Disturbance Area B?	Yes 🗆	No 🖂	Details:
Environmental exclusion zones required?	Yes 🛛	No 🗆	Details: Winged Peppercross (<i>Lepidium monoplocoides</i>) habitat, mapped adjacent to the impact area

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Unexpected Finds					
Were any Unexpected Finds identified?	Yes 🗆	No 🖂	Details:		
If yes, has the Environmental Manager been notified?	Yes 🗆	No 🖂	Details:		
Additional Comments					
 Exclusion zones to be installed pric Ecologist not required for clearing a Weeds to be managed in accordan Additional weeds: Galvanised Burr grasses. 	activities ce with the l	Biosecurity	-		

Table 3 – Pre-Clearance Approval

Ecologist	
Pre-clearance Assessment Timeframe for Nominated Works	3 months
Name	Madeleine Cicchelli
Signature	
Date	10/09/2023
SecureEnergy	
Name	Glenn Hayden
Position	Senior Environmental Advisor
Signature	£
Date	24.09.2023

Table 1 - Information

Item	Detail
Ecologist / Fauna Spotter(s) Completing Pre-Clearance Survey	Name: Scott Rolph and Madeleine Cicchelli Qualification: Ecologists
Date of Pre-Clearance Survey	15/06/2023
Specific Pre-Clearance Survey Location (Line No./ Tower / Span No.)	L5 Tower 283
Scope Methodology	Desktop review of vegetation mapping for nominated area In field visual inspection by ecologists of the proposed tower location
Work Package ID	L5 Ecology – Pre-clearance surveys

Table 2 – Pre-Clearance Survey Details

Infrastructure Surveyed					
Tower Footprint			entreline		
Break and Winch Site			irking Areas		
Access Track (existing)			cess Track (new)	П
Disturbance Area B			her	,	
Details of Other:					
Protected Matters					
Item	Presence	Identified		Comments	
	Yes	No	Clear (Ha)		
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland ¹²					
Grey Box (<i>Eucalyptus microcarpa</i>) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia ¹²					
Weeping Myall Woodlands ¹²					
Natural Grasslands of the Murray Valley Plains ¹²	\boxtimes		0.36 Ha	EPBC Act Threate Ecological Comm	
Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions ²					
Mallee Bird Community of the Murray Darling Depression Bioregion ²					
Plains mallee box woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plains bioregions ²					
3	1	1	1	1	

(Freshwater) of the Temperate Lowland Plains²

Once printed this document becomes uncontrolled. Refer to Secure Energy Intranet for controlled copy

 \boxtimes

Seasonal Herbaceous Wetlands



Habitat for A spear-grass (<i>austrostipa metatoris</i>) ²	\boxtimes	
Habitat for A spear-grass (<i>austrostipa wakoolica</i>) ²	\boxtimes	
Habitat for Mossgiel Daisy ¹²	\boxtimes	
Habitat for Sand-hill Spider Orchid ²	\boxtimes	
Habitat for A burr-daisy ²	\boxtimes	
Habitat for Winged Peppercross ¹	\boxtimes	
Habitat for Chariot Wheels ¹²	\boxtimes	
Habitat for Slender Darling Pea ¹²	\boxtimes	
Habitat for Yellow Swainson-pea ²	\boxtimes	
Habitat for Plains Wanderer ¹²	\boxtimes	
Habitat for Regent Parrot (eastern subspecies) ¹²	\boxtimes	
Habitat for Superb Parrot ¹²	\boxtimes	
Notes:		

1 Protected matter listed within the Notification of Approval EnergyConnect NSW - Eastern Section (EPBC 2020/8766)

2 Protected matter listed within the Revised Biodiversity Development Assessment Report (August 2022)

Management measures required to avoid or minimise impacts to Protected Matters:

- 0.36Ha of the critically endangered BC Act-listed TEC Natural Grasslands of the Murray Valley Plains identified within the impact area.
- Exclusion zones to be installed to restrict access to protected matters outside the construction footprint.
- No additional mitigation measures required. Clearing works to be completed in accordance with the approved Biodiversity Management Plan.

Hollow Bearing / Habitat Trees			
Habitat trees and habitat features identified & marked?	Yes 🗆	No 🖂	Comments:
GPS coordinates and habitat trees recorded?	Yes 🗆	No 🛛	Comments:
Nest boxes required?	Yes 🗆	No 🖂	Comments:
Fauna spotter required to be present during clearing activities?	Yes 🛛	No 🗆	Comments: Pre-inspection of grassland also recommended before any ground disturbance.
Weeds			
Were any Weeds of National Significance or Priority Weeds identified?	Yes 🗆	No 🖂	Details:
Environmental Exclusion Zones			
Threatened Species Identified within Disturbance Area B?	Yes 🗆	No 🖂	Details:
Environmental exclusion zones required?	Yes 🛛	No 🗆	Details: EPBC and BC Act Threatened Ecological Communities.

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Unexpected Finds			
Were any Unexpected Finds identified?	Yes □	No 🖂	Details:
If yes, has the Environmental Manager been notified?	Yes 🗆	No 🖂	Details:
Additional Comments			
 Exclusion zones to be installed prio Ecologist to be present during clear 0.36Ha of Small Scurf-pea (<i>Cullum</i> Weeds to be managed in accordance Additional weed species: Canadian 	ing activitie <i>Parvum</i>) ha ce with appl	s (including abitat identif roved Biose	clearance of grassland areas). ied within the impact area. curity Management Plan.

Table 3 – Pre-Clearance Approval

Ecologist	
Pre-clearance Assessment Timeframe for Nominated Works	3 months
Name	Scott Rolph and Madeleine Cicchelli
Signature	Sutton 200
Date	08/10/2023
SecureEnergy	
SecureEnergy	
SecureEnergy Name	Glenn Hayden
	Glenn Hayden Senior Environmental
Name	