

Prepared for Flyers Creek Wind Farm Pty Ltd by Nacap Pty Ltd

Flyers Creek Wind Farm Project DESIGN AND LANDSCAPE PLAN

Document No.: 2046-LECH-001-3 Revision: E



Flyers Creek Wind Farm Project

DESIGN AND LANDSCAPE PLAN







DOCUMENT CONTROL RECORD

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REVISION HISTORY

This table describes the primary reason for the production of each new revision after Rev O

Date	Rev.	Reason for change

SIGNATURE BLOCK

Rev. Descri	iption	BR	BT	NF		12 th Aug 2020
E Issued for Approval		Prepared Brett Rodgers	Reviewed Brian Treacy	QA Nic Fusca	Approved Peter Logan	Approval Date

The first Issued for Use version of this plan will start Revision 0. Revision numbers shall use a sequential numbering system commencing at Rev. 01, 02, etc.

This document is considered uncontrolled when printed.







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ACTI	/ITY	DESCRIPTION	REFERENCES		
	1. GENERAL INF	ORMATION			
1.1	Purpose	The Flyers Creek Wind Farm (FCWF) is an approved 38 turbine wind farm located approximately 20 kilometres (km) south of Orange in the Blayney Shire and Cabonne Shire local government areas in Central West New South Wales. Project Approval was granted on 14 th March 2014 (MP 08_0252) and there have been four subsequent planning modifications approved since this date. This Design and Landscape Plan (DALP) has been prepared under Condition of Approval (CoA) D26 to guide the development and maintenance of landscaping across the Project area in providing buffers and measures to address the visual impacts arising out of the location and construction of infrastructure associated with the development of the FCWF.	-		
1.2	Conditions of Approval (CoA)	 This Plan and its associated management measures have been prepared to comply with CoA D26 and also covers the following CoAs: D21 Use of indigenous and locally occurring species D22 Visual appearance D24 Substation, and D24A Switching Station. 	Project Approval (MP 08_0252)		
1.3	Scope	 This DALP includes design treatments for screening visual impacts and includes: Landscape design Planting selection, installation, maintenance and monitoring measures, and Treatment and finishes associated with windfarm infrastructure. This DALP will guide and inform Project Managers, Supervisors, Construction Personnel, Subcontractors and relevant stakeholders in the development and management of design and landscaping elements associated with the development. 	-		
1.4	Consultation	 Consultation on this Plan will be undertaken with: Blayney Shire Council, and Cabonne Council Comments and feedback received during consultation will be incorporated into this plan where appropriate. Details of the consultation associated with this Plan are available in Appendix A.	Appendix A Consultation Record		
1.5	Design and Landscape Plan Certification and Approval	This DALP has been prepared by Pamela Fletcher - Registered Landscape Architect, member number 867, Australian Institute of Landscape Architects, practicing since 1982. This DALP required by CoA D26 is required to be submitted for approval by the Secretary of the Department of Planning, Industry and Environment (DPIE) prior to commencement of construction or as otherwise agreed by the Secretary.			
1.5	Distribution	A controlled hard copy of this DALP will be maintained and reside at the Project construction site office. Approved copies of this DALP and supporting documentation will be distributed to the Project team, all relevant personnel and interested third parties as required. It will also be available to view on the Project website: www.flyerscreekwindfarm.com			
1.7	Reference Documents	 The DALP applies to all design and landscape requirements for the Project and has been informed by the following: Conditions of Approval; Project Environmental Impact Statement prepared by Aurecon, 2011, specifically: Chapter 9 – Visual Chapter 10 – Fauna and Flora Appendix C1a – Visual Assessment Appendix C1b – Visual Assessment, and Appendix D – Fauna and Flora Assessment. Flora and Fauna Assessment Modification 3 to approved Flyers Creek Wind Farm, Central Tablelands, NSW prepared by Kevin Mills and Associates date 2017. Modification 4 Planning Application prepared by Flyers Creek Wind Farm Pty Ltd, 27 July 2019: Appendix C – Visual Impact Assessment, and Appendix J – Biodiversity Impact Assessment. 	-		

Flyers Creek Wind Farm Project

DESIGN AND LANDSCAPE PLAN





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ACIT	VITY	DESCRIPTION			REFERENCES
	2. DEFINITIONS	AND ABBREVIATIO	ONS		
		Associated Resid	encies	Any residence on privately owned land where the own has reached a commercial or in kind agreement with	er
				Flyers Creek Wind Farm Pty Ltd.	
		Client and or Pro	ponent	Flyers Creek Wind Farm Pty Ltd (FCWFPL)	
2.1	2.1 Definitions	Inspection		implemented.	ng _
		Non-Associated I	Residence	Any residence on privately owned land where the own has not entered into a commercial or in kind agreemen with Flyers Creek Wind Farm Pty Ltd	er it
		Obligation		A legal relationship between two entities in which one entities' right is the other entities' duty.	
		Project		Flyers Creek Wind Farm Project	
		APZ		Asset Protection Zone	
		CASA		Civil Aviation Safety Authority	
		DALP		Design and Landscape Plan (this Plan)	
		DPIE		Department of Planning Industry and Environment	
		сВОР		Civil Balance of Plant	
		CoA		Conditions of Approval	
		eBOP		Electric Balance of Plant	
		EE		Essential Energy	
		EEC		Endangered Ecological Community	
		EA		Environmental Assessment	
		EP&A		Environmental Planning and Assessment	
2.2	Abbreviations	FCWF		Flyers Creek Wind Farm	-
		HV		High Voltage	
		IEC		International Electrotechnical Commission	
		IPA		Inner Protection Area (part of an APZ)	
		LGA		Local Government Area	
		MOS		Manual of Standards	
		NSW		New South Wales	
		0&M		Operation and Maintenance	
				Overneau State Significant Development	
				To be confirmed	
		WTG		Wind Turbing Congrator	
				Wind Furbine Generator	
	3. PROJECT INF	ORMATION	d Farm Pty Ltd (the Proponent) forms part	of the Infigen Energy cornorate group (Infigen). Infigen Ene	rev
3.1	Project Background and Description	is a developer, o retailers. The FC Project is locate transmission line Project approval (EP&A Act) to the Project Approval	wner and operator of generation assets of WF is an approved 38 wind turbine wind f d predominantly in the Blayney Shire loc and switching station being located in Cab MP 08_0252 was granted under Part 3A of e Proponent for the Project by the NSW Pla has been modified 4 times since originally	lelivering energy solutions to Australian businesses and la farm located approximately 20km south of Orange NSW. al government area with part of the proposed 132 kilo bonne Shire local government area (LGA). The Environmental Planning and Assessment Act 1979 (NS inning and Assessment Commission on 14 th March 2014. T being granted and was transitioned to State significant	rge Fhe rolt W) he -
		development (SSD) on 6 th July 2018. The Project approval authorises the construction and operation of a wind farm and associated infrastructure including access tracks, local road infrastructure upgrades and electrical connections between the turbines (underground cable reticulation, also underground and aboveground powerlines), an on-site substation (inclusive of switch room, control room and auxiliary services building) and a 132-kilovolt transmission line and switching station to connect the Project to the grid.			
	This Plan has been prepared to comply with the CoA, dated June 2019 and specifically the requirements of CoA D26 as listed in Table 1 Conditions of Approval.				
			Table	L Conditions of Approval	
27	Conditions of	СоА	Condition		Refer to Section within this Plan
3.2	Approval		A Design and Landscaping Plan shall be r	prenared to outline measures to ensure appropriate	
	Approval	D26	A Design and Landscaping Plan shall be p development and maintenance of landso and address the visual impacts arising fr associated above ground infrastructure, The Plan shall be prepared by a qualified requirements of the Councils. The Plan s ancillary infrastructure. including but no	The parent to outfine measures to ensure appropriate caping on the site to achieve adequate landscape buffers om the Project, including turbines, site access roads and as far as is feasible and reasonable. I landscape architect and where relevant meet any hall include design treatments for the turbines and the necessarily limited to	Section 1





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ACTIVITY	DESCRIPTION		REFERENCES
		 a) landscape elements and built elements, including proposed treatments, finishes and materials of exposed surfaces (including colour specifications); 	Section 4 Section 5 Appendix B Appendix C
		b) lighting	Section 4
		c) a schedule of species to be used in landscaping	Section 5 Appendix B
		d) details of the timing and progressive implementation of landscape works	Section 5
		e) procedures and methods to monitor and maintain landscaped areas.	Section 5 Appendix D
	D21	Landscaping works to reduce the visual impact of the Project shall generally comprise of indigenous and locally occurring species	Section 5 Appendix B Appendix C
	D22 D24	The Proponent must:	
		(a) minimise the off-site visual impacts of the project	Section 4.1
		 (b) ensure the wind turbines are: painted off white/grey, unless otherwise agreed by the Secretary; and finished with a surface treatment that minimises the potential for glare and reflection; 	Section 4.1
		(c) ensure the visual appearance of all ancillary infrastructure (including paint colours) blends in as far as possible with the surrounding landscape; and	Section 4.1 Section 5.1
		(d) not mount any advertising signs or logos on wind turbines or ancillary infrastructure	Section 4.1
		The substation and associated facility site shall be designed and constructed to minimise visual intrusion to the nearest sensitive receivers as far as feasible and reasonable including appropriate external finishes to minimise glare or reflection, landscape planting to screen views and external lighting requirements in accordance with condition D25	Section 4.1 Appendix B
	D24A	Prior to commencement of the construction of the switching station, the Proponent must submit a copy of the final layout plan for the switching station to the Secretary for approval. This plan must outline the proposed measures to minimise the visual impacts of the switching station on any non-associated residences in the vicinity of the switching station, including retaining existing vegetation buffers in and adjoining the forest to screen views of the switching station or planting additional screening around the switching station.	Section 4.1 Appendix C





4. WIND FARM DESIGN TREATMENTS – MATERIALS, FINISHES, TREATMENTS AND LIGHTING Material finishes used in the key structures associated with the wind farm have been selected in accord following standards: • Wind Turbine Generators (WTG) - International Electrotechnical Commission (IEC) Standard No 61400 • Substation and Switching Station - Essential Energy (EE) Standard as specified in Design Information - October 2013; and • HV Transmission Elements - Essential Energy Standard as specified in Design Information – Generic EE 2013. There shall be no mounting of advertising signs and logos on WTGs or ancillary infrastructure. Table 2 Below outlines structures associated with the wind farm and their materials, finishes and treatment Table 2 Materials, Finishes and Treatments Wind Turbines: Tower Tubular steel RAL 7035 (light grey) Rotor blades Steel 30-60 Gloss units Anti-glare Hub Steel Motoring Masts Obstacle markings in accord with Manual of (MOC) 130	dance with the); - Generic EE : October ts.
Material finishes used in the key structures associated with the wind farm have been selected in accord following standards: • Wind Turbine Generators (WTG) - International Electrotechnical Commission (IEC) Standard No 61400 • Substation and Switching Station - Essential Energy (EE) Standard as specified in Design Information - October 2013; and • HV Transmission Elements - Essential Energy Standard as specified in Design Information - Generic EE 2013. There shall be no mounting of advertising signs and logos on WTGs or ancillary infrastructure. Table 2 Below outlines structures associated with the wind farm and their materials, finishes and treatment Structure Material Type: Finish Treatments Wind Turbines: Tower Tower Tubular steel RAL 7035 (light grey) Anti-glare Nacelle Steel Hub Steel Met Monitoring Masts Obstacle markings in accord with Manual of (MOS) 120	Jance with the); - Generic EE E October ts.
There shall be no mounting of advertising signs and logos on WTGs or ancillary infrastructure. Table 2 Below outlines structures associated with the wind farm and their materials, finishes and treatment Table 2 Materials, Finishes and Treatments Structure Material Type: Finish Treatments Wind Turbines: Tower Tubular steel RAL 7035 (light grey) Rotor blades Steel 30-60 Gloss units Anti-glare Nacelle Steel measured at 60° as per ISO Anti-glare Met Monitoring Masts Steel Obstacle markings in accord with Manual of (MOC) 130	ts.
Table 2 Materials, Finishes and Treatments Structure Material Type: Finish Treatments Wind Turbines:	_
Structure Material Type: Finish Treatments Wind Turbines: Tower Tubular steel RAL 7035 (light grey) Tower Tubular steel 30-60 Gloss units Anti-glare Nacelle Steel 30-60 Gloss units Anti-glare Hub Steel measured at 60° as per ISO Met Monitoring Masts Met masts Steel Obstacle markings in accord with Manual of (MAC) 130	
Wind Turbines: RAL 7035 (light grey) Tower Tubular steel RAL 7035 (light grey) Rotor blades Steel 30-60 Gloss units Nacelle Steel measured at 60° as per ISO Hub Steel Met Monitoring Masts Met masts Steel Obstacle markings in accord with Manual of (MAC) 130	
Tower Tubular steel RAL 7035 (light grey) Rotor blades Steel 30-60 Gloss units Nacelle Steel measured at 60° as per ISO Hub Steel Met Monitoring Masts Met masts Steel	
Nacelle Steel measured at 60° as per ISO Hub Steel Met Monitoring Masts Met masts Steel	
Hub Steel Met Monitoring Masts Obstacle markings in accord with Manual of Met masts	
Met Monitoring Masts Obstacle markings in accord with Manual of Met masts Steel (MOC) 120	
Met masts Steel Obstacle markings in accord with Manual of	
	Standards
Switching station:	
 4.1 Materials and Finishes 4.1 Materials and Finishes a communication pole lightning masts water tank security fencing including a palisade fence and internal chainmesh fence. Perimeter fence 	-
Substation:	
 Various internal electrical components: a single storey control building switch bays and transformers a communication pole lightning masts water tank security fencing including a palisade fence and internal chainmesh fence. Perimeter fence Internal electrical materials as per EE Specifications Internal electrical materials as per EE Specifications External finishes on single storey Substation painted/powder coated with a dark and visually recessive colour. 	
Operations and Maintenance (O&M) Building	
Single or separate buildings Predominantly steel wall/roof structures Painted Colourbond	
OH Transmission Line	
Support structures Steel	
Insulators Polymer None	





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ACT	Ινιτγ	DESCRIPTION					
		The majority of the wind farm will not require lighting installations. For safety and operational requirements, lighting will be installed in accordance with the Australian Standard 'Control of the obtrusive effects of outdoor lighting' (AS4282-1997).					
		Table 3 outlines the requirem	nent for lighting installations	associated with the wind farm development.			
		Table 3 Lighting Requirements					
		Structure	Lighting Requirements	ting Requirements			
		Wind Turbine Generator (WTGs)	No significant lighting req No aviation hazard lightin Authority (CASA). Low intensity lighting may and used at night for safe				
4.2	Lighting	Substation	Lighting will be installed	_			
4.2	Lighting	Switching	areas, to be available if accordance with safety an	d operational requirements.	_		
		O&M Building	It is not expected that the operations. Emergency lighting will operations to be undertak All lighting will be directio the Australian Standard (C (AS4282-1997).				
		Met Masts	Nil				
		ОН	Nil				
		Transmission					
	5. PROJECT LAN	IDSCAPE WORKS					
		 through onsite landscape works. In relation to the switching station, the extent of overhead infrastructure, particularly at the northern end of the switching station limits any opportunity to screen views using on-site landscaping given the vegetation management requirements for energy operators. In relation to the substation the EA established that there are no sight lines from non-associated residences with landform and existing vegetation providing screening for associated residences in Errowanbang Road. Table 4 provides an overview of the key wind farm infrastructure and elements associated with the proposed on-site 					
		Table 4 Landscape Screening Ontions for ECIVIE Infrastructure					
		Table 4 Landscape Screening Options for FCWF Infrastructure Infrastructure On Site Details					
5.1	Onsite		Screening				
2.2	Landscape Design and Layout	Wind Turbines	Nil	Due to the scale (max tip height 160m) there are no feasible landscaping options for onsite plantings to achieve mitigation of potential visual impacts. Land around the footings and crane pads will be rebabilitated through decompaction and the re-spreading.			
				of the preserved topsoil containing existing seed bank stock and propagules associated with the pre-disturbance vegetation communities.			
		Meteorological Monitoring	Towers Nil	Due to the scale there are no feasible landscaping options for onsite plantings to achieve mitigation of potential visual impacts.			
		Site Entry Points	Landscaping and rehabilitation	Landscaping will be undertaken consisting primarily of pasture grass and rehabilitation through decompaction and the re-spreading of the preserved topsoil containing existing seed bank stock and propagules associated with the pre- disturbance vegetation communities.			
		Access Roads	Landscaping	Landscaping will be undertaken consisting primarily of			





ACTIVITY	DESCRIPTION					REFERENCES		
		and	pasture grass and rehal	bilitation through dec	compaction and			
		rehabilitation	the re-spreading of the	preserved topsoil con	ntaining existing			
			seed bank stock and pr	opagules associated v	with the pre-			
			disturbance vegetation	communities.				
	OH Transmission Line	Nil	Due to the scale there a	are no feasible landsc	aping options			
			for onsite plantings to a	achieve mitigation of	potential visual			
			impacts.					
			Additionally, there are	requirements to main	itain separation			
		A.11	between vegetation an	d OH transmission ca	bles.			
	Underground Transmission Line	NII	Being underground the	disturbed cable rout	e will largely be			
			tonsoil containing oxist	ing cood bank stock a	e preserveu			
			associated with the nre	-disturbance vegetati	ion			
			communities.					
	Temporary Site Compounds.	Landscaping	Landscaping will be und	dertaken consisting p	rimarily of			
	Laydown and Office	and	pasture grass and rehal	bilitation through dec	compaction and			
		rehabilitation	the re-spreading of the	preserved topsoil co	ntaining existing			
			seed bank stock and pr	opagules associated v	with the pre-			
			disturbance vegetation	communities.				
	Hardstand Areas	Landscaping	Batters and embankme	ents will be rehabilitat	ed through re-			
		and	spreading of the preser	ved topsoil containin	g existing seed			
		rehabilitation	bank stock and propage	ules associated with t	he pre-			
			disturbance vegetation	communities. Additio	onal			
			landscaping such as pas	sture grass will be cor	npleted where			
	Cubatation 8 08M	Landaranina	required in achieving a	stabilised landform.				
	Substation & O&IVI	Landscaping	Batters and embankme	ents will be renabilitat	ed through re-			
		rehabilitation	hank stock and propage	ules associated with t	he nre-			
		renabilitation	disturbance vegetation	communities	ne pre-			
				communices.				
			Additional screen plant	ing consistent with ex	xisting EEC			
			community should be c	considered and under	taken following			
			commissioning in provi	ding any additional so	creening of			
			views from Errowanbar	ng Road as detailed in	the Substation			
			Landscape Plan, Appen	ndix B.				
	Switching Station	Determine of	The extent of existing a	ind proposed overhea	id infrastructure			
		Retention of	limits opportunities	for planting given	the clearance			
		existing	requirements determin	led by the energy ope	Prator.			
		trees and	Visual screening will he	e limited to the reter	ntion of existing			
		rehabilitation	plantation trees where	practicable in accord	lance with Asset			
			Protection Zone and en	ergy operator require	ements. Refer to			
			Switching Station Lands	scape Plan. Appendix	C.			
			Disturbance works wi	ll be further rehabi	ilitated through			
			decompaction and resp	preading of the prese	rved topsoil and			
			seeding to achieve a sta	able landform.				
	Commencement of construction is sche	Commencement of construction is scheduled to commence late 2020/ early 2021. It is avaacted that the Wind Form						
	will operate for 30 years and will be deep	will operate for 30 years and will be decommissioned at the end of its operational life						
	Table 5 below provides an indicative	program duratior	n for the construction we	orks, construction we	orks will be			
	undertaken (subject to approval of all o	documentation) c	oncurrently in accordance	e with the construction	on schedule			
	which is to be determined during detai	led design. It is er	nvisaged that works will b	e ongoing from com	mencement			
	tor a period of around 18 - 24 months.							
5.2 Timing of		Table 5 Indica	tive Project Program					
Landscape		Activity		Duration				
Treatment				(Weeks)				
Works	Collector Group 1 –	Construct Access	Points	14	_			
	Collector Group 1 –	Access Road Cons	struction	22	_			
	Collector Group 1 –	Crane Hardstand	Construction	18	-			
	Collector Group 1 –	Turbine Foundation	ons	20	-			
	Collector Group 1 –	Backfill Foundatio	on	9				
	Collector Group 1 –	Cable Reticulation	1	22				
	Collector Group 2 –	Construct Access	Points	18				
	Collector Group 2 –	Access Road Cons	struction	16				
	Collector Group 2 –	Crane Hardstand	Construction	15				





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ACTIV	/ITY	DESCRIPTION					REFERENCES
			Collector Group 2 – Turbine Fo	undations	23		
			Collector Group 2 – Backfill Fou	undation	11		
			Collector Group 2 – Cable Retic	culation	18		
			Collector Group 3 – Construct A	Access Points	8		
			Collector Group 3 – Access Roa	d Construction	7		
			Collector Group 3 – Crane Hard	Istand Construction	8		
			Collector Group 3 – Turbine Fo	undations	15		
			Collector Group 3 – Backfill Fou	Indation	7		
			Collector Group 3 – Cable Retic	culation	14		
			Renabilitation and reseeding		4		
			33KV Trenching and Undergrou	ind Cable Installation	29		
			132KV Overhead Line Foundati		25		
			132KV Trenching and Undergro	ound Cable Installation	19		
			Substation Bench Works		12		
			Planting and Seeding		3		
			Switching Station Bench Works	i	10		
			Planting and Seeding		3		
		 Planting and Planting and Planting and Undertake protective r Ensure avairand seeding 	d implementation of landscape t d seeding of grasses should not or d seeding shouldn't be undertake consultation with landholders t measures such as fencing to ensui lability of water and water cart o g works.	ccur in periods of extreme in if site and soil condition to incorporate considerat re planting success; and or other means of applying	principles for the timing of weather; s is very wet or very dry; tion of grazing rotation an g irrigation in advance of pro	d any additional	
5.3	Landscape Maintenance and Monitoring	 All areas of landscape and pasture planting to be monitored for a period of 24 months. Monitoring of rehabilitation and landscape planting during the construction period is to occur as part of weekly general environmental site monitoring and compliance. Landscape and rehabilitative plantings should be checked regularly for plant health and weed infestation. Maintenance of landscaping and pasture planting will include: Monitoring of plant establishment Regular application of irrigation water to ensure plant health and establishment Proactive emergent weed control and suppression (Refer to Attachment D for Weed Species and Treatments) Replacement of failed planting and pasture Monitoring of protective measures such as fencing and plant shields where utilised At the completion of the construction period the landscape and rehabilitation areas will be monitored at 3 monthly intervals. Monitoring of plant establishment Monitoring of plant establishment Monitoring of plant establishment At the completion of the construction period the landscape and rehabilitation areas will be monitored at 3 monthly intervals. Monitoring of plant establishment Monitoring of plant establishment Monitoring of plant establishment As a result of this monitoring any corrective actions to address plant establishment, weed infestation and effectiveness					Appendix D
		As with the Switc Substation facilit occurring species above is located Table 6 Lists the treatments.	hing Station, the provision of any y it is recommended that tree spe s is required. The locally occurrin nearby. native species found in the nearby T	screening of significance ecies be selected. Under C g vegetation is described i y Boxgum Woodland EEC v Table 6 Native Species Common Name:	or effectiveness in relation t oA D21, the use of indigeno as Boxgum Woodland EEC a which should be considered Expected mature heig	o the proposed us and locally nd as noted for landscape	
5.4	Plant Species	Trees:			- ap to the matter of the		
		Eucaly	ptus blakelyi	Blakely's Redgum	25m		
		Eucaly	ptus bridgesiana	Apple Box	25m		
		Eucaly	ptus goniocalyx	Long-leaved Box	15m		
		Eucaly	ptus melliodora	Yellow Box	30m		
		Shrub	s				
		Acacia	n buxifolia	Box Leaf Wattle	1-4m		
		Acacia	i implexa	Hickory Wattle	5-12m		





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ΑCTIVITY	DESCRIE						REFERENCES
Activiti	DESCRI	Acacia paradoxa	Kangaro	o Thorn	1-4m		REFERENCES
		Cassinia aculeata	Common Cassinia 1-2.6m				
		Swainsona aaleaifoli	Smooth	Darling Pea	1m		
		Grasses:					
		Austrodanthonia sp		r Grass occurring	<1m		
		Austrostipa scabra	Speargr	ass	1m		
		Lomandra filiformis	Wattle	Mat Rush	0.5m		
		Poa sieberiana	Small Bl Grass	ue Tussock	1m		
		Themeda asutralis	Kangaro	oo Grass	<1m		
	The follo	wing table 7 identifies additional pasture* Table 7 Add	* planting s ditional Pas	species to be co sture Planting S	onsidered for landscaping and rehabi Species	litation.	
		Species:		Common Nam	e:		
		Eragrostis leptostachya		Paddock Loveg	grass		
		Poa labillardierieTussock GrassThemeda triandraKangaroo Grass IntroducedDactylis glomerataCocksfootPhalaris aquaticaPhalarisTrifolium subterraneumSub CloverPanicum decompositumNative MilletLolium perennePerennial ryegrass		Tussock Grass			
				Kangaroo Grass Introduced			
				Sub Clover Native Millet			
		Trifolium repens		white clover			
	*Pasture	asture planting will be selected based on landholder consultation.					
5.5 Record Kee	eping The correportin The follo • Sit • Inc • Co	The contractor shall maintain a documentation and record system in support of this DALP and monthly Project reporting requirements to enable review and auditing of management systems and procedures. The following records to be maintained: Site Environmental Inspection Records Incident Reports Incident Register, and Consultation Log.					
5.6 Reporting	Reportir includes	Reporting Monthly Reporting includes information on relevant landscape and planting data, summary and includes the reporting of any incidents and non-conformance.					





APPENDIX A – CONSULTATION RECORD

Date	Consultation	Comments
1 st April 2020	Blayney Shire Council	Blayney Shire Council confirmed receipt of the DLP for consultation and have confirmed no comments applicable to the Plan (Email 04/05/20).
1 st April 2020	Cabonne Shire Council	Cabonne Shire Council confirmed receipt of the DLP for consultation and
		have confirmed no comments applicable to the Plan (Email 21/04/20).

Megan Richardson

From:	Mark Dicker <mdicker@blayney.nsw.gov.au></mdicker@blayney.nsw.gov.au>
Sent:	Monday, 4 May 2020 8:43 AM
То:	Megan Richardson
Cc:	Brian Treacy (Nacap); May.Patterson@planning.nsw.gov.au
Subject:	[EXTERNAL] RE: Flyers Creek - Management Plans

Hi Megan,

I forwarded all plans to all relevant personal within BSC, and have had no responses (besides Nathan's which you have).

I have also skimmed all of the plans and they seem ok to me.

Thanks Mark

Mark Dicker **Director Planning and Environmental Services Blayney Shire Council** PO Box 62 Blayney NSW 2799 p - 02 6368 2104 | m - 0409 742 432 | e - MDicker@blayney.nsw.gov.au | w - <u>www.blayney.nsw.gov.au</u>



From: Megan Richardson <Megan.Richardson@infigenenergy.com>
Sent: Thursday, 30 April 2020 4:14 PM
To: Mark Dicker <MDicker@blayney.nsw.gov.au>
Cc: Brian Treacy (Nacap) <b.treacy@quantaservices.com>; May.Patterson@planning.nsw.gov.au
Subject: RE: Flyers Creek - Management Plans

Mark,

Just a reminder to advise that tomorrow is the last day for any comments/feedback form Blayney Shire Council on the following Flyers Creek construction management plans:

- D26 Design & Landscape Plan
- F20 Construction Environment Management Plan
- F21 (d) Construction Soil & Water Mngmt Plan

Many thanks Megan

From: Megan Richardson
Sent: Monday, 27 April 2020 12:00 PM
To: Mark Dicker <<u>MDicker@blayney.nsw.gov.au</u>>
Subject: RE: Flyers Creek - Management Plans

Great thanks for the update Mark.

Megan Richardson

From:	Roy Ansted <roy.ansted@cabonne.nsw.gov.au></roy.ansted@cabonne.nsw.gov.au>
Sent:	Tuesday, 21 April 2020 11:52 AM
То:	Megan Richardson; Surendra Sapkota
Cc:	Cc:; Tony Weekes
Subject:	[EXTERNAL] RE: Flyers Creek Wind Farm, Condition F21 (c): Construction Traffic & Access
	Management Plan.

Hi Megan,

I have reviewed the attached documents, and I have no comment to make on their content.

Regards,

Roy Ansted Development Engineer Cabonne Council

From: Megan Richardson <Megan.Richardson@infigenenergy.com>
Sent: Tuesday, 14 April 2020 4:54 PM
To: Surendra Sapkota <Surendra.Sapkota@cabonne.nsw.gov.au>
Cc: Cc: <May.Patterson@planning.nsw.gov.au>; Roy Ansted <Roy.Ansted@cabonne.nsw.gov.au>; Tony Weekes
<Tony.Weekes@cabonne.nsw.gov.au>
Subject: RE: Flyers Creek Wind Farm, Condition F21 (c): Construction Traffic & Access Management Plan.

No problem,

Please find attached.

Thanks Megan

From: Surendra Sapkota <<u>Surendra.Sapkota@cabonne.nsw.gov.au</u>>
Sent: Tuesday, 14 April 2020 3:47 PM
To: Megan Richardson <<u>Megan.Richardson@infigenenergy.com</u>>
Cc: Cc: <<u>May.Patterson@planning.nsw.gov.au</u>>; Roy Ansted <<u>Roy.Ansted@cabonne.nsw.gov.au</u>>; Tony Weekes
<<u>Tony.Weekes@cabonne.nsw.gov.au</u>>;
Subject: [EXTERNAL] RE: Flyers Creek Wind Farm, Condition F21 (c): Construction Traffic & Access Management Plan.

Hi Megan,

Could you send the following documents please mentioned in the Table below as we could not find the said documents.

Kind regards

Surendra Sapkota Manager Technical Services <u>Surendra.Sapkota@cabonne.nsw.gov.au</u> (02) 6390 7153 0427 492 877 Cabonne Council PO Box 17 Molong NSW 2866 Switch: Fax: (02) 6392 3260 Council@cabonne.nsw.gov.au
 From:
 Mark Dicker

 To:
 Megan Richardson

 Subject:
 [EXTERNAL] FW: Flyers Creek - Management Plans

 Date:
 Thursday, 23 April 2020 5:04:51 PM

 Attachments:
 image003.png image004.png image005.png

Hi Megan,

Nathan comments below

Thanks Mark

Mark Dicker Director Planning and Environmental Services Blayney Shire Council

From: Nathan Skelly <NSkelly@blayney.nsw.gov.au>

Sent: Thursday, 23 April 2020 4:27 PM

To: Mark Dicker <MDicker@blayney.nsw.gov.au>; Grant Baker <GBaker@blayney.nsw.gov.au>; Daniel Drum <DDrum@blayney.nsw.gov.au>; Benjamin Prestwidge <<BPrestwidge@blayney.nsw.gov.au>

Subject: RE: Flyers Creek - Management Plans

I've got no real comments on the traffic management plan. I believe it is adequate as a draft.

The will obviously need to develop detailed TCP's for it, but that will come at a later stage no doubt.

Nathan Skelly Manager Operations Blayney Shire Council

From: Mark Dicker <<u>MDicker@blayney.nsw.gov.au</u>>
Sent: Thursday, 23 April 2020 3:29 PM
To: Grant Baker <<u>GBaker@blayney.nsw.gov.au</u>>; Daniel Drum <<u>DDrum@blayney.nsw.gov.au</u>>;
Benjamin Prestwidge <<u>BPrestwidge@blayney.nsw.gov.au</u>>; Nathan Skelly
<<u>NSkelly@blayney.nsw.gov.au</u>>
Subject: RE: Flyers Creek - Management Plans

Hi All,

Further to previous email, I just spoke to Megan.

Infigen really want our comments on the attached.

Megan has asked even though we are over the requested date, if comments or even a no comment email can be sent to Megan advising by next Friday 2 May 2020

Thanks mark

Mark Dicker Director Planning and Environmental Services Blayney Shire Council

From: Mark Dicker
Sent: Thursday, 16 April 2020 10:31 AM
To: Grant Baker <<u>GBaker@blayney.nsw.gov.au</u>>; Daniel Drum <<u>DDrum@blayney.nsw.gov.au</u>>;
Benjamin Prestwidge <<u>BPrestwidge@blayney.nsw.gov.au</u>>; Nathan Skelly
<<u>NSkelly@blayney.nsw.gov.au</u>>
Subject: FW: Flyers Creek - Management Plans

Hi All,

Has everyone seen these?

Any comments?

Thanks Mark

Mark Dicker Director Planning and Environmental Services Blayney Shire Council

From: Megan Richardson <<u>Megan.Richardson@infigenenergy.com</u>>
Sent: Tuesday, 14 April 2020 11:48 AM
To: Mark Dicker <<u>MDicker@blayney.nsw.gov.au</u>>
Cc: <u>May.Patterson@planning.nsw.gov.au</u>
Subject: RE: Flyers Creek - Management Plans

Mark,

Have Blayney Shire Council got any comments/feedback on the following plans?

- 1. Construction Soil and Water Quality Management Plan
- 2. Construction Traffic and Access Management Plan
- 3. Construction Environment Management Plan

Thanks Megan

From: Megan Richardson
Sent: Monday, 6 April 2020 2:14 PM
To: Mark Dicker - Blayney Shire Council (<u>MDicker@blayney.nsw.gov.au</u>)
<<u>MDicker@blayney.nsw.gov.au</u>>
Cc: May.Patterson@planning.nsw.gov.au
Subject: Flyers Creek - Management Plans

Mark,

Hope you're well.

Have you had an opportunity to review the Construction **Soil and Water Quality** Management Plan or Construction **Traffic and Access** Management Plan?

Keen to receive your comments and feedback so we can incorporate into the final plans.

Please let me know if you would like to discuss.

Thanks Megan



Megan Richardson Development Manager Level 17, 56 Pitt Street, Sydney NSW 2000 T +61 2 8031 9900 D +61 2 8031 9916 M +61 472 818 407 E megan.richardson@infigenenergy.com



In response to the Covid-19 pandemic, Infigen has asked staff to work from home, to avoid all business travel, and to transition all meetings to conference calls. All of Infigen's divisions are equipped to operate remotely, and all aspects of Infigen's business continue as usual. These precautionary measures are aimed at protecting our people and contributing to the public health effort in our wider communities.

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From: Megan Richardson <<u>Megan.Richardson@infigenenergy.com</u>>
Sent: Tuesday, 14 April 2020 11:42 AM
To: Surendra Sapkota <<u>Surendra.Sapkota@cabonne.nsw.gov.au</u>>
Cc: Cc: <<u>May.Patterson@planning.nsw.gov.au</u>>; Roy Ansted <<u>Roy.Ansted@cabonne.nsw.gov.au</u>>; Tony Weekes
<<u>Tony.Weekes@cabonne.nsw.gov.au</u>>;
Subject: RE: Flyers Creek Wind Farm, Condition F21 (c): Construction Traffic & Access Management Plan.

Many thanks, Tony has also let me know on this one.

Does Cabonne Shire Council have any comments on the following:

Document / Plan	Consultees	Draft issued for review & comment	Comm
D26 Design & Landscape Plan	Blayney Shire Council Cabonne Shire Council	01-Apr-20	22-Apr
F20 Construction Environment Management Plan	Blayney Shire Council Cabonne Shire Council Dol Lands & Water BCD Dubbo	23-Mar-20	17-Apr

Thanks Megan

From: Surendra Sapkota <<u>Surendra.Sapkota@cabonne.nsw.gov.au</u>>

Sent: Saturday, 11 April 2020 4:29 PM

To: Megan Richardson < Megan.Richardson@infigenenergy.com >

Cc: Cc: <<u>May.Patterson@planning.nsw.gov.au</u>>; Roy Ansted <<u>Roy.Ansted@cabonne.nsw.gov.au</u>>; Tony Weekes <<u>Tony.Weekes@cabonne.nsw.gov.au</u>>

Subject: [EXTERNAL] FW: Flyers Creek Wind Farm, Condition F21 (c): Construction Traffic & Access Management Plan.

Hi Megan,





nacap

APPENDIX B – SUBSTATION LANDSCAPE PLAN

Preliminary subject to minor amendments during detailed design and consultations.



plantings to be selected from	the follow	ing species list:	
Common Name:		Expected mature height:	
(one / 60-70m ²)			
Blakely's Redgum		25m	
Apple Box		25m	
Long-leaved Box		15m	
Yellow Box		30m	
(one shrub / m ²)		com	
Box Leaf Wattle		1-4m	
Hickory Wattle		5-12m	
Kangaroo Thorn		1.4m	
		1.2 Gm	
Continuit Cassillia		1-2.0111	
(four / m ²)		1111	
(four / m²)	• •	.1.0	
Vvallaby Grass (locally occurring	species)	<1.0m	
Speargrass		1.0m	
Wattle Mat Rush		0.5m	
Small Blue Tussock Grass		1.0m	
Kangaroo Grass		<1.0m	
on community: <i>Box-Gum</i> ale pink)		boundary	
ing trees		P	
ed within the proposed fill batter, n located within the substation noved	,	prope	
ed within the be removed (the be dead)	1907/1 S Landscape 1907/2 S Site Plan To be read 2046-LECI and Lands	Switching Station: Site Plan Substation: Landscape d in conjunction with H-001-3 Project Design cape Plan	
	Apply a cle energy infr expected r trees to be conditions required by	earance from proposed astructure of the nature height of the planted plus any other for clearance measures y the energy operator.	
	PRELIMIN ONLY SU FINAL DE SUBSTAT	ARY PLANS BJECT TO SIGN OF ION FACILITY	
0.1	23.03.20 am	ended/new dwg #/issued as DRAF I	
0.1	25.03.20 am	ended / issued as DRAFT	
vilometree			
NIOMETRES			
	Project:		
	Propose	a Substation	
	Evers Cr	eek Wind Farm	
	off Errow	off Errowanbang Rd	
	Errower	hana NICINI	
	⊏rrowan	Dang NOW	
	Client:		
	Flyers Creek	wind Farm Pty Ltd	
	Sheet Title:	-	
species list shows)	Landscap	e Site Plan	
species list above)	Scale: Dian and	Bar Scale @	
to 3 - refer to proposed screen			
Fenced for a minimum of ten	u Base drawing supplie	d by	
etock - to also allow for	Date: Decembe	er 2019 (see amends table above	
sout - wasu anow w	Dwg no: 19(07/2 sheet 2 of 2	
seeu in the soil. Maintenance	PAMELA FLE	TCHER registered landscape architect All	
or weea species.	23 Sydney Rd Warrie	ewood NSW 2428 pam@pamfletcher.c	







APPENDIX C – SWITCHING STATION LANDSCAPE PLAN

Preliminary subject to minor amendments during detailed design and consultations.



LEGEND Project boundary —— —— Existing vehicle tracks (approximate location) E-132kv Existing 132kV line Proposed 132kV line Proposed overhead ground wire (OPGW) Proposed 10m wide Asset Protection Zone (APZ) from the fenced boundary of the facility - a bush fire fuel reduced zone E-132kV E-132kV E-132kV E-132kV E-132kV - existing 132kV power line E-132kV - E-132kV-E-132kV - existing 132kV power line E-132kv E-132k — E-132kV—— — E-132kV—— E-132kV—— E-132kV— E-132kV E-132k — E-132kV guy wire guy wire E-132kV E-132kV - proposed 132kV power line 55m Project boundary PROPOSED Ass, PZ) SWITCHING STATION SITE (footprint only) E-132KV

Existing EEC vegetation community: *Box-Gum Woodland* (shaded in pale pink) Existing Radiata Forest to be retained as screening of the proposed facility Existing Radiata Forest to be removed for overhead line buffer zone (45m wide)

Existing Radiata pine forest - Canobolas State Forest (Cornwall Section)

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APPENDIX D - NOXIOUS WEED IDENTIFICATION

Common name / Botanical name:	Photo:	Preferable control method:
Blackberry (Rubus fruticose)		https://weeds.dpi.nsw.gov.au/Weeds/Details/18 Removal by hand is preferred but the DPI indicate that this method alone does not address the roots. The DPI nominates the use of herbicides as the most reliable method of Blackberry control. Goats are identified as preferring blackberry. Perhaps short term grazing by goats prior to planting can address areas of blackberry infestation if an issue to avoid the use of herbicides.
Scotch Thistle (Onopordium acanthium)		https://weeds.dpi.nsw.gov.au/Weeds/Details/252 Chip out by hand with a mattock. During the maintenance period remove thistle plants to ensure they do not flower / set seed so as to avoid the spread of seed.
Serrated Tussock (Nassella trichotoma)		https://weeds.dpi.nsw.gov.au/Weeds/Details/123 Chip out by hand with a mattock. During the maintenance period remove tussock plants to ensure they do not flower / set seed so as to avoid the spread of seed.
St Johns Wort (Hypercium perforatum)		https://weeds.dpi.nsw.gov.au/Weeds/StJohnsWort No one method is preferred by the DPI over another. Refer to the website for comprehensive control methods if this plant is present in the proposed planting areas.
Sweet Briar (Rosa rubiginosa)		https://weeds.dpi.nsw.gov.au/Weeds/SweetBriar Removal by hand grubbing.







