



**VOLUME III**

**PUBLIC PARTICIPATION REPORT**

**PROPOSED LOXTON WIND ENERGY FACILITY 1 NEAR  
LOXTON IN THE NORTHERN CAPE PROVINCE**

On behalf of

**LOXTON WIND FACILITY 1 (PTY) LTD**

January 2023

**DFFE REFERENCE 14/12/16/3/3/2/2236**  
**FINAL FOR DFFE DECISION**



Prepared by:

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## 1 INTRODUCTION

Loxton Wind Facility 1 (Pty) Ltd ('the Project Applicant') is applying for environmental authorisation to construct and operate the up to 240 MW Loxton Wind Energy Facility (WEF) 1 and its associated on-site substation and battery energy storage system. Hereafter the proposed Loxton WEF 1 and its associated infrastructure will be referred to as the 'proposed development'.

The proposed development is located approximately 20 km north of the town of Loxton within the Ubuntu Local Municipality and the Pixley Ka Seme District Municipality in the Northern Cape Province (Figure 2 – Site Locality Map).

Arcus Consultancy Services South Africa (Pty) Ltd ('Arcus') has been appointed by LWF 1 to act as the project manager and to undertake the Scoping and Environmental Impact Assessment (S&EIA) process for EA under Chapter 4 of the National Environmental Management Act, 1998 (Act 107 of 1998 – NEMA), Environmental Impact Assessment (EIA) Regulations, 2014 as amended.

## 2 THE PUBLIC PARTICIPATION PROCESS

The sharing of information forms the basis of a Public Participation (PP) Process, with an aim to encourage the public to have meaningful input into the decision-making process. The primary aims of the public participation process are:

- To inform Interested and Affected Parties (I&APs) of the proposed development;
- To identify and respond to issues, comments and concerns as raised by I&APs;
- To promote transparency of the project and its potential consequences and ensure I&APs understanding of the proposed development;
- To facilitate open dialogue and liaise with all I&APs;
- To assist in identifying potential environmental (biophysical and socio-economic) impacts associated with the proposed development; and
- To ensure that all I&AP issues and comments are accurately recorded, addressed and documented in a Comments & Response Report.

This Public Participation Report has been compiled as Volume III to the respective Volume I – Scoping Report. This report has been updated to include all comments received throughout the application process up until submission of the Final Scoping Report (FSR) to DFFE for decision.

The sharing of information will comply with the Protection of Personal Information Act, 2013 (POPI Act 4 of 2013). The following steps has been and will continue to be undertaken throughout the PP process to ensure compliance:

- The contact details, e-mail address and postal address of the public will not be made available for public review, however this will be made available to the Department and to any I&AP who may wish to appeal; and
- The contact details, e-mail address and postal address of I&APs will be blacked out in the Comments and Responses Trail and Public Participation Documents.

## 3 METHODOLOGY

The Public Participation Process follows the requirements of Section 24 (5) and Chapter 6 (41, 42, 43, and 44) of GN R. 326 of the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) Environmental Impact Assessment (EIA) Regulations, 2014 (as amended), as well as the Public Participation Guidelines in terms of NEMA, 1998 EIA Regulations, 2014.



### 3.1 Identification of Potential Interested and Affected Parties

The I&AP database (Appendix 1) was created by Arcus, in consultation with the Applicant and was used as the baseline for the pre-identified I&APs list.

Pre-identified / Registered I&APs included:

- Pre-identified I&APs who are all identifiable affected landowners and surrounding landowners. Landowners and surrounding landowners will also be requested to inform the occupiers of their properties regarding the project;
- Government organisations, NGOs, relevant municipalities, ward councillors and other key stakeholders and organ of states that might be affected; and
- Registered I&APs who responded to the advertisements (i.e., newspapers, notices and e-mails) and requested to be registered or request to register any other person/s.

*This database was updated throughout the duration of the scoping process and will continue to be updated through to the EIA phase. Anyone with an interest in the proposed development are encouraged to register.*

### 3.2 Initial Notification Phase

Initial Notification was conducted prior to the completion of the Draft Scoping Report (DSR). Notification during this phase was undertaken in the following manner:

- A2 correx site notice boards (English and Afrikaans), were placed along the boundary of the development site on the 09 November 2022 (see Appendix 2).
- A4 notification posters (English and Afrikaans), were placed at public gathering places in the town of Loxton and Beaufort West on the 09 November 2022 (see Appendix 2).
- Newspaper Advertisements (English and Afrikaans), were placed in the Victoria West Messenger and the Diamond Field Advertiser newspapers on the 09 November 2022 (see Appendix 3).

The public notices and initial notification contained sufficient information on the proposed application and afforded pre-identified and interested I&APs the opportunity to submit their issues / queries / concerns, and indicate the contact details of any other potential I&APs that should be contacted and registered. The contact person at Arcus, contact number and email details were clearly stated on the notifications.

### 3.3 Scoping Phase

#### 3.3.1 Availability of the Draft Scoping Report (DSR) for Public Review

Notification regarding the availability of the DSR for public review and comment (Appendix 4) were sent to all registered I&APs (pre-identified key I&APs, I&APs registered during the initial period, as well as affected landowners, surrounding landowners and their occupiers) via e-mail. SMS notifications was sent to I&APs and / or land occupiers that have supplied mobile phone numbers and who did not have an email / postal address. The written notification also advised registered I&APs of the following:

- How and where they could access the DSR (electronic and hardcopy);
- The duration that the DSR was made available for public comment, and the date by when comments must be submitted; and
- It will afford I&APs the opportunity to submit their comment / questions / queries / concerns regarding the development and content of the DBAR.

The table below presents the respective locations the DSR was made available for public review and comment from **Monday, 14 November 2022 to Wednesday, 14 December 2022 (both days inclusive)**:

Location	Physical Address
<b>Hard Copy Location</b>	
Loxton Public Library <i>Located within the Ubuntu Local Municipality Offices, Loxton</i>	Magrieta Prinsloo St, Loxton, 8405
<b>CD copies were available upon request.</b>	
<b>Electronic Copy Locations</b>	
Arcus Website	<a href="https://arcusconsulting.co.za/projects/">https://arcusconsulting.co.za/projects/</a>
Electronic Transfer	I&APs could request for copies to be shared via a One Drive folder.
<b>Comment Submission</b>	
Company	Arcus Consultancy Services South Africa (Pty) Ltd
Via Email	LoxtonWEF@arcusconsulting.co.za
Online Portal	<a href="https://loxtonwef.aidaform.com/stakeholder-engagement">https://loxtonwef.aidaform.com/stakeholder-engagement</a>
Via Post	240 Main Road, 1 <sup>st</sup> Floor Great Westerford, Rondebosch, Cape Town, 7700
Via Telephone	+271 (0) 596 3502 / +27 (0) 72 595 0104
Contact Person	Ashlin Bodasing

**The commenting period was 30 days, as per the NEMA, 1998 EIA Regulations, 2014 (as amended).**

### 3.3.2 Submission of the Final Scoping Report (FSR)

Notification regarding the submission of the FSR to DFFE for a decision will be sent to all registered I&APs in the following manner:

- Written Notification (English and / or Afrikaans) will be sent to all registered I&APs (pre-identified key I&APs, I&APs registered during the initial and draft report period, as well as affected landowners, surrounding landowners and their occupiers) via e-mail. SMS notifications will be sent to I&APs and / or land occupiers that have supplied mobile phone numbers and who do not have a postal or email addresses.
- If written notification cannot be sent to an I&AP, notification will be provided telephonically.

## 4 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PHASE PP PROCESS

During the EIA phase, the following tasks will be undertaken for public participation:

- Written Notification (English and / or Afrikaans) will be sent to all registered I&APs (pre-identified key I&APs, I&APs registered during the initial and scoping period, as well as affected landowners, surrounding landowners and their occupiers) via e-mail. SMS notifications will be sent to I&APs and / or land occupiers that have supplied mobile phone numbers and who do not have a postal or email addresses.
- If written notification cannot be sent to an I&AP, notification will be provided telephonically.
- Notification will inform registered I&APs of the availability of the Draft EIAR for public review and comment (30 days);
- A public event will be held in order to explain the findings of the EIA, *if requested*;

- An Issues Trail / Comments and Responses Report will be updated following the scoping phase, to record comments and / or queries received and the responses provided. This report will be included in a Final EIA for submission to the DFFE;
- Authorisation / Decision; and
- Notification letters to all registered I&APs, key stakeholders, and organs of state to inform them of the decision by the DFFE and the appeal procedure.

Focus Group Meetings or One-on-One meetings will be held if necessary throughout the EIA process. Furthermore, I&APs will also be able to register on the I&AP database throughout the duration of the EIA process. Once registered, I&APs will be informed about the progress of the project.

## **5 DECISION AND APPEAL PHASE**

All registered I&APs will be provided with access to the decision on the EIA Report and the reasons for such decision. Attention of all registered I&APs will be drawn to the fact that an appeal may be lodged against the decision in terms of the NEMA, 1998, National Appeal Regulations, 2014 (as amended).

Notifications regarding the decision made by the DFFE will be provided in the following manner to all registered I&APs:

- Via e-mail, which will include an attachment of the decision, reasons for the decision, and appeal procedure;
- Via SMS, which will be sent to I&APs and / or land occupiers that have supplied mobile phone numbers and who do not have a postal or email addresses. The SMS will advise the I&AP that access to the decision, reasons for the decision, and appeal procedure must be accessed from the Arcus website: <https://arcusconsulting.co.za/projects/>; and
- Courtesy telephone calls will be made to those who cannot receive access by either of the above-mentioned methods to advise them of the decision made by the DFFE and to confirm if and / or how they wish to receive access to the decision, reasons for decision, and appeal procedure.

I&APs will be provided with access to the decision, reasons for the decision by the DFFE and the process for appeals within 14 days of date of receipt of the decision.

## **6 SUMMARY OF COMMENTS**

During the initial notification phase, no comments / queries / questions / concerns were received from I&APs.

During the public consultation phase of the Draft Scoping Report, comment was received from the DFFE, other authority and I&APs. Follow up e-mails were sent to all registered I&APs, stakeholder and authorities, and no further comments were received.

Responses to comments received during the PP period is provided in Section 7, Table 7.1 below, with EAP / specialist / applicant responses, and the original comment and responses has been appended to the PP report (Appendix 5) which will be submitted with the FSR for DFFE decision.

## 7 COMMENTS AND RESPONSES TRAIL

*This comments and responses table has been updated throughout the duration of the scoping process and comments has been collated by thread and not by date.*

**Table 7-1: Comments and Response Table**

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
1	John Geeringh  Eskom	15 November 2022  Per email	Draft Scoping Phase	<p><b>From:</b> John Geeringh  <b>Sent:</b> Tuesday, November 15, 2022 8:41 AM  <b>To:</b> <a href="mailto:LoxtonWEF@arcusconsulting.co.za">LoxtonWEF@arcusconsulting.co.za</a>  <b>Subject:</b> RE: Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province</p> <p>Please find attached Eskom requirements for work at or near Eskom infrastructure and servitudes, as well as a setbacks guideline for renewable energy developments. Please send me KMZ files of the individual projects indicating properties and proposed layouts as well as proposed grid connection.</p> <p>Kind regards</p> <p>John Geeringh (Pr Sci Nat) Reg. EAP (EAPASA)  Senior Consultant Environmental Management  Grid Planning: Land and Rights  Eskom Transmission Division</p>	<p><b>From:</b> LoxtonWEF@arcusconsulting.co.za  <b>Sent:</b> Tuesday, December 13, 2022 3:57 PM  <b>To:</b> John Geeringh  <b>Subject:</b> RE: Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province</p> <p>Dear John</p> <p>Thank you for your e-mail. Please note that the Application to connect the Loxton WEF 1 – 3 to the national grid has not been submitted to the Department and or been made available for public comment and review.  Please find attached a KMZ file of each Loxton WEF 1 – 3.</p> <p>Thank You  Kind Regards  <b>Ashlin Bodasing</b>  Registered EAP and Technical Director</p> <p><i>The Eskom specification requirements attached to the email from John Geeringh were sent to the Project Developer for consideration and will be adhered to by the Project Developer during the relevant project stages.</i></p>
2	Ashleigh von der Heyden  Genesis Eco-Energy Developments	15 November 2022  Aida Form	Draft Scoping Phase	<p><b>What is your interest in the projects?</b>  Competitor Project</p> <p><b>Do you have any comments or queries regarding the Loxton WEF Cluster?</b>  None</p>	<p>The EAP acknowledges the stakeholder's interest in the projects and has registered the I&amp;AP on the database.</p>

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
3	Ingrid Schöfmann  Karoo Development Foundation	15 November 2022  Aida Form	Draft Scoping Phase	<p><b>What is your interest in the projects?</b> Making sure socio-economic development of the area falls within sustainable parameters</p> <p><b>Do you have any comments or queries regarding the Loxton WEF Cluster?</b> We would like more info on the water usage / requirements for the project as well as the where the construction team will be housed during construction. Loxton currently has serious water and sewerage infrastructure challenges as well as a housing shortage. The influx of construction teams will challenge the local environment and we do not want for Loxton what happened in Sutherland: increase in drug abuse, increase in crime, increase in prostitution.</p>	<p>The EAP and Applicant acknowledges the I&amp;AP interest in the project with regard to the socio-economic impacts of the development on the area.</p> <p>The socio-economic impact assessment has been commissioned and terms of reference include the assessment of impacts that the Loxton WEF Cluster will have on the community as well as the more detail on the mitigation measures to reduce the negative, if any, and enhance the positive impacts of the Loxton WEF Cluster. The Environmental Impact Assessment (EIA) Phase of the Loxton WEF 1 – 3 developments will commence following receipt of approval of the Scoping Phase from the competent authority and the reporting will be made available to I&amp;APs for review and comment. The EAP has included the I&amp;AP on the database so all reporting which will be made available for public review and / or comment will be disclosed to the I&amp;AP.</p> <p>Reference is made to Section 7.2 of the Scoping Report which advises that water will be sourced from either the Local Municipality, supplied from a contractor and trucked in, from existing boreholes located within the application site or from a new borehole if none of these options are available. Note, however, that should municipal water supply not be confirmed, the Developer is investigating other water sources considering any necessary and relevant legal requirements, and the ultimate solution would need to be subject to a formal service level agreement, either with the local municipality or a private service provider. More information on the water usage and requirements will also be provided during the EIA Phase of the Loxton WEF 1 – 3 developments.</p> <p>The EIA report(s) will include measures regarding the construction workers. The socio economic and traffic specialist will assess the number of construction workers</p>

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
					<p>required and will provide strict measures which must be implemented. It is envisaged that construction workers will be accommodated in the nearby towns, and transported daily to site (by bus). Suitable accommodation will be investigated in more detail as the Project progresses. For the benefit of the area within which the development falls, it is likely to be recommended that the Developer (Applicant) should liaise with the local municipality and the community to employ a percentage of local workers during the construction phase to minimise the impacts of the influx of workers.</p> <p>The socio-economic assessment will address the issues raised and aim to identify appropriate mitigation measures. The study will also investigate how to create opportunities for local communities and businesses</p>
4	Lydia Kutu  <b>Integrated Environmental Authorisations: Coordination, Strategic Planning and Support</b>	16 November 2022  Per e-mail	Draft Scoping Phase	<p><b>From:</b> Lydia Kutu  <b>Sent:</b> Wednesday, November 16, 2022 10:00 AM  <b>To:</b> Ashlin Bodasing  <b>Cc:</b> Bathandwa Ncube; EIAadmin; Salome Mambane  <b>Subject:</b> 14/12/16/3/3/2/2236</p> <p>Dear Sir/Madam</p> <p><b>ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FORM AND DRAFT SCOPING REPORT FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED LOXTON WIND ENERGY FACILITY 1, NEAR LOXTON, NORTHERN CAPE PROVINCE.</b></p> <p>The Department confirms having received the Application Form and Draft Scoping Report for Environmental Authorisation for the abovementioned project on 14 November 2022. You have submitted these documents to comply with the Environmental</p>	<p>The EAP acknowledges the acknowledgment of receipt of the Loxton WEF 1 Application including the Draft Scoping Report from the competent authority (the Department) and confirms that the applicable Regulations are being complied with.</p>

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
				<p>Impact Assessment (EIA) Regulations, 2014, as amended.</p> <p>Kindly note that your application for Environmental Authorisation falls within the ambit of an application applied for in terms of Part 3 of Chapter 4 of the EIA Regulations, 2014, as amended. You are therefore referred to Regulation 21 of the EIA Regulations, 2014 as amended.</p> <p>Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested &amp; Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but <b>must</b> be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.</p> <p>Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.</p> <p>You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.</p> <p>Kind Regards, Lydia Kutu</p>	

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
				Integrated Environmental Authorisations: Coordination, Strategic Planning and Support	
-	<b>Ms Bathandwa Ncube</b>  <b>Department of Forestry, Fisheries and the Environment (DFFE) Integrated Environmental Authorisations</b>	<b>14 December 2022</b>  <b>Per email</b>	<b>Draft Scoping Phase</b>	<p><b>From:</b> Bathandwa Ncube  <b>Sent:</b> Wednesday, December 14, 2022 5:20 PM  <b>To:</b> Ashlin Bodasing;  LoxtonWEF@arcusconsulting.co.za; unai.bravo.; 'bfisher'; thzingange  <b>Cc:</b> Lydia Kutu; EIAadmin; Salome Mambane &lt;; Ephron Maradwa; Masina Morudu  <b>Subject:</b> 14/12/16/3/3/2/2236</p> <p>Good day</p> <p>Please find herein the attached letter for the above mentioned.</p> <p><b>Please do not respond to this mailbox with any queries related to the decision been issued. All queries on the attached decision must be directed to official whose contact details is listed as enquiries.</b></p> <p>I hope you find all in order.</p> <p>Kind regards  <b>Ms Bathandwa Ncube</b>  Department of Forestry, Fisheries and the Environment (DFFE)  Integrated Environmental Authorisations</p>	EAP acknowledges receipt of the comment from the Department on the Draft Scoping Report for the Loxton 1 WEF. Responses to comments are presented below and reference to where the comments are addressed is also provided. The C&R below is also included in the FSR - Section 1, Table 1.3.
e-mail attachment: 14/12/16/3/3/2/2236			<b>DFFE Reference:</b> 14/12/16/3/3/2/2236 <b>Enquiries:</b> Ms Bathandwa Ncube <b>EAPASA Registration:</b> 2021/3238 <b>Telephone:</b> [REDACTED] <b>E-mail:</b> [REDACTED] Ms Ashlin Bodasing		



Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response												
				<p>Arcus Consultancy Services South Africa (Pty) Ltd 240 Main Road 1st Floor Great Westerford <b>RONDEBOSCH</b> Cape Town 7700 <b>Telephone Number:</b> 0214121529 <b>Email Address:</b> [REDACTED] / <a href="mailto:LoxtonWEF@arcusconsulting.co.za">LoxtonWEF@arcusconsulting.co.za</a> PER MAIL/ E-MAIL Dear Ms Bodasing</p> <p><b>COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED LOXTON WIND ENERGY FACILITY 1, NEAR LOXTON, WITHIN THE UBUNTU LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE</b></p> <p>The Application for Environmental Authorisation and Draft Scoping Report (SR) dated November 2022 and received by the Department on 14 November 2022, refer.</p> <p><u>This letter serves to inform you that the following information must be included to the Final Scoping Report:</u></p> <table><tr><th colspan="4">Application Form</th></tr><tr><th>No.</th><th>Comment from DFFE</th><th>EAP Response</th><th>Section in Report</th></tr><tr><td>1.</td><td>Activity 11 of Listing Notice 1 (as amended): The description of project activity for this activity refers to a powerline, which is not part of this application. Activities applied for in the application form and the SR, as well as their descriptions, must be the same and correct.</td><td>The relevant listed activities as applied for are specific and will be required for the development activity and infrastructure. LN 1 Activity 11 has been kept in the Application Form and Final Scoping Report (FSR). The proposed Loxton WEF 1 will entail the construction of a 33 kV / 132 kV on-site substation hub incorporating the facility substation, switchyard and collector infrastructure with a footprint of up to 2ha. All internal cables have a capacity of 33kV. A separate application will be submitted to the Department for the <i>development of facilities or</i></td><td>Refer to the Revised Application Form and Section 3 – Table 3.1 of the Final Scoping Report.</td></tr></table>		Application Form				No.	Comment from DFFE	EAP Response	Section in Report	1.	Activity 11 of Listing Notice 1 (as amended): The description of project activity for this activity refers to a powerline, which is not part of this application. Activities applied for in the application form and the SR, as well as their descriptions, must be the same and correct.	The relevant listed activities as applied for are specific and will be required for the development activity and infrastructure. LN 1 Activity 11 has been kept in the Application Form and Final Scoping Report (FSR). The proposed Loxton WEF 1 will entail the construction of a 33 kV / 132 kV on-site substation hub incorporating the facility substation, switchyard and collector infrastructure with a footprint of up to 2ha. All internal cables have a capacity of 33kV. A separate application will be submitted to the Department for the <i>development of facilities or</i>	Refer to the Revised Application Form and Section 3 – Table 3.1 of the Final Scoping Report.
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No.	Comment from DFFE	EAP Response	Section in Report														
1.	Activity 11 of Listing Notice 1 (as amended): The description of project activity for this activity refers to a powerline, which is not part of this application. Activities applied for in the application form and the SR, as well as their descriptions, must be the same and correct.	The relevant listed activities as applied for are specific and will be required for the development activity and infrastructure. LN 1 Activity 11 has been kept in the Application Form and Final Scoping Report (FSR). The proposed Loxton WEF 1 will entail the construction of a 33 kV / 132 kV on-site substation hub incorporating the facility substation, switchyard and collector infrastructure with a footprint of up to 2ha. All internal cables have a capacity of 33kV. A separate application will be submitted to the Department for the <i>development of facilities or</i>	Refer to the Revised Application Form and Section 3 – Table 3.1 of the Final Scoping Report.														

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response	
					<i>infrastructure for the transmission and distribution of electricity</i> from the Wind Farm to the national grid.	
			2.	If the activities applied for in the application form differ from those mentioned in the final SR, an amended application form must be submitted with the final SR.	The activities which have been applied for in the Application Form are the same as what has been included in the FSR.	Refer to the Revised Application Form and Section 3 – Table 3.1 of the Final Scoping Report.
			<b>Specialist Assessments</b>			
			<b>No.</b>	<b>Comment from DFFE</b>	<b>EAP Response</b>	<b>Section in Report</b>
			3.	Page 4 of the meeting minutes of the pre-application meeting held on 26 October 2022 refers to the undertaking of a Wake Effect Analysis, however this study is not included in the Specialist Plan of Study (PoS).	The PoS for the Wake Effect Analysis has been included in Section 12.5 of the FSR.	Refer to Section 12 of the Final Scoping Report.
			4.	Page 29 of the draft SR indicates that a Geotechnical Assessment is required but will not be undertaken as part of the EIA process. All required specialist studies must be conducted as part of the EIA process. Due to the development design constraints indicated, a desktop Geotechnical Assessment must be included as part of the Specialist PoS.	The EAP is of the opinion that a Geotechnical Assessment for the development can only be undertaken once the final development design is confirmed, prior to the commencement of the construction phase.  A desktop Geotechnical Assessment has been included as part of the Specialist PoS for the EIA phase.	Refer to Section 12 of the Final Scoping Report.

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response	
			5.	You are requested to submit copies of signed Specialist Declaration of Interest forms (witnessed and signed by a Commissioner of Oaths) for <u>all</u> specialist studies conducted. The forms are available on Department's website (please use the Department template).	Signed copies of the Specialist Declaration of Interest forms (witnessed and signed by a Commissioner of Oaths) for <u>all</u> specialist studies conducted has been included for submission with the FSR.	Refer to Volume II of the Final Scoping Report.
			6.	Please note that in terms of Government Notice No. 320 of 20 March 2020 (i.e. "the Protocols"), and Government Notice No. 1150 of 30 October 2020 (i.e. protocols for terrestrial plant and animal species), it is a requirement for specialists to be registered with the South African Council for Natural Scientific Professions (SACNASP) in their respective fields.	Specialists reports have been undertaken in terms of Government Notice No. 320 of 20 March 2020 (i.e. "the Protocols"), and Government Notice No. 1150 of 30 October 2020 (i.e. protocols for terrestrial plant and animal species) proof of the SACNASP registration in the respective fields are appended to the assessment report.	Refer to Volume II of the Final Scoping Report.
			7.	The Heritage Impact Assessment and Palaeontological Heritage Compliance Statement, which have been included as part of this SR, must be submitted to the South African Heritage Resources Agency (SAHRA) for comments, via the South African Heritage Resources Information System (SAHRIS).	Heritage Impact Assessment and Palaeontological Heritage Compliance Statement, which have been included as part of this SR were submitted to the South African Heritage Resources Agency (SAHRA) for comments, via the South African Heritage Resources Information System (SAHRIS). No comment was received prior to the submission of the Final Scoping Report.  Should comment be received following submission of the FSR, the comment will be sent to the Department for consideration.	n/a
			<b>Public Participation Process</b>			
			<b>No.</b>	<b>Comment from DFFE</b>	<b>EAP Response</b>	<b>Section in Report</b>

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
			8.	The Public Participation Process must be conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.	The public participation process for the Loxton WEF 1 has been conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended. Refer to Section 9 of the FSR and Volume III – Public Participation Report.
			9.	Comments must be obtained from this Department's Biodiversity Conservation Directorate. The contact details are as follows: Biodiversity Conservation Directorate Attention: Mr. Seoka Lekota Email: BCAdmin@dfre.gov.za	The Department's Biodiversity Conservation Directorate was sent a request for comment. No comment was received prior to the submission of the Final Scoping Report. Should comment be received following submission of the FSR, the comment will be sent to the Department for consideration. n/a
			10.	Please ensure that all issues raised and comments received during the circulation of the draft SR from registered Interested and Affected Parties (I&APs) and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed and included in the final SR.	All issues raised and comments received during the availability of the DSR has been addressed in the Public Participation Report (Volume III) and in the FSR, as required. The Project Details of the FSR - Volume I, reflects the changes made from DSR to FSR. Refer to the PP Report - Volume III.
			11.	Copies of original comments received from I&APs and organs of state, which have jurisdiction in respect of the proposed activity are submitted to the Department with the Final SR.	Copies of all original comments received during and up until submission of the FSR has been provided for in the Public Participation Report (Volume III) of the FBAR. Refer to the PP Report - Volume III.
			12.	Proof of correspondence with the various stakeholders must be included in the final SR. This must indicate that this draft SR has been subjected to 30 days public	This has been provided for in the Public Participation Report (Volume III) of the FSR. Any correspondence with relevant Refer to the PP Report - Volume III.

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
				participation process, stating the start and end date of the PPP. Should you be unable to obtain comments, proof must be submitted to the Department of the attempts that were made to obtain comments.	organs of state and stakeholders has been included in the comments and response table. Where no correspondence has been received, the proof of attempts to retrieve a comment has been provided.
			13.	All issues raised and comments received during the circulation of the draft SR from I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final SR, including comments from this Department, and must be incorporated into the Comments and Response Report (CRR).	A comments and response trail has been produced and is included in the Public Participation Report (Volume III) of the FSR. The comments received from DFFE is also included in the comments and response trail. The C&R trail presents responses to comments and sections of the FSR which addresses the comments.
			14.	The CRR report must be a separate document from the main report and the format must be in the table format as indicated in <i>Annexure 1</i> of this comments letter.	The C&R report is included in the PP Report (Volume III) of the FSR and is therefore separate from the main report.
			15.	Comments from I&APs must not be split and arranged into categories. Comments from each submission must be responded to individually.	Comments have not been split and / or arranged into categories and are all have been responded to individually.
			16.	Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied <i>verbatim</i> and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to an I&AP's comments.	Comments received have been adequately addressed and have not been summarised in the C&R report.
			17.	The attendance register and minutes of any meetings held by the Environmental Assessment Practitioner (EAP) with Interested and Affected Parties (I&APs) and other role players must be included in the final SR.	No focus group / meetings were held during the public review period of the DSR/

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response	
			18.	Provide photo evidence of on-site notices, including the names of landmarks and/or GPS coordinates (in degrees, minutes, and seconds) of their placements.	Proof of site notices, including the GPS co-ordinates of their location placements has been included in the PP report in the FSR.	Refer to the PP Report - Volume III.
			19.	Please submit a full page of the newspaper(s) containing the advertisement, ensuring that the information in the advert is legible and that the name of the newspaper and date are visible.	The tearsheet of the advertisement in the respective local and provincial newspapers has been included in the PP report of the FSR.	Refer to the PP Report - Volume III.
			<b>General</b>			
			<b>No.</b>	<b>Comment from DFFE</b>	<b>EAP Response</b>	<b>Section in Report</b>
				<p>You are further reminded to comply with Regulation 21(1) of the NEMA EIA Regulations 2014, as amended, which states that:</p> <p><i>"If S&amp;EIR must be applied to an application, the applicant must, within 44 days of receipt of the application by the competent authority, submit to the competent authority a scoping report which has been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority"</i></p>		
				You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the EIA Regulations 2014, as amended.	A table is included in the Scoping Report which presents compliance with the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the EIA Regulations 2014, as amended.	Refer to FSR Section 2 – Table 2.1.
				Further note that in terms of Regulation 45 of the EIA Regulations 2014, as amended, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).	Timeframes stipulated are being adhered to in this application.	n/a

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
				You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.	The Applicant / EAP takes note of this and confirms that no activity has / will commence without a positive environmental authorisation. n/a
				Yours Sincerely <b>Ms Milicent Solomons</b> <b>Acting Chief Director: Integrated Environmental Authorisations</b> <b>Department of Forestry, Fisheries and the Environment</b> <b>Signed by: Mr. Vusi Skosana</b> <b>Designation: Director: National Integrated Authorisations</b> <b>EAPASA Registration Ref: 2019/92</b> <b>Date: 13 December 2022</b>	-
5	Michael Interested and Affected Party	29 November 2022 Per e-mail	Draft Scoping Phase	<b>From:</b> Michael <b>Sent:</b> Tuesday, November 29, 2022 6:41 AM <b>To:</b> LoxtonWEF@arcusconsulting.co.za <b>Subject:</b> Register  Good morning  Register me as interested and affected party.  Thank you.  Kind regards, Michael	The EAP acknowledges request and has included the I&AP on the database.
6	Christo and Caren Venter Interested and Affected Party	29 November 2022 Aida Form	Draft Scoping Phase	<b>What is your interest in the projects?</b> Concerned resident  <b>Do you have any comments or queries regarding the Loxton WEF Cluster</b> Concerned about influx of people on this small Karoo town; underground water levels being affected; noise	The EAP and Applicant acknowledges the I&AP concern with regard to the proposed development in the Loxton area.  The socio-economic impact assessment has been commissioned and terms of reference include the assessment of impacts that the Loxton WEF Cluster will

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
				<p>pollution; roads being affected. All of this could also influence the tourism industry and the character of the town and region.</p>	<p>have on the community as well as the more detail on the mitigation measures to reduce the negative, if any, and enhance the positive impacts of the Loxton WEF Cluster. The Environmental Impact Assessment (EIA) Phase of the Loxton WEF 1 – 3 developments will commence following receipt of approval of the Scoping Phase from the competent authority and the reporting will be made available to I&amp;APs for review and comment. The EAP has included the I&amp;AP on the database so all reporting which will be made available for public review and / or comment will be disclosed to the I&amp;AP.</p> <p>Section 7.2 of the Scoping Report advises that water will be sourced from either the Local Municipality, supplied from a contractor and trucked in, from existing boreholes located within the application site or from a new borehole if none of these options are available. Note, however, that should municipal water supply not be confirmed, the Developer is investigating other water sources considering any necessary and relevant legal requirements, and the ultimate solution would need to be subject to a formal service level agreement, either with the local municipality or a private service provider. More information on the water usage and requirements will also be provided during the EIA Phase of the Loxton WEF 1 – 3 developments.</p> <p>The EIA report(s) will include measures regarding the influx of people (workers), water usages, noise and road impacts.</p> <p>The socio-economic assessment will address the issues raised and aim to identify appropriate mitigation measures. The study will also investigate how to create opportunities for local communities and businesses.</p>
7	Chris Stuart  Stuart on Nature	29 November 2022	Draft Scoping Phase	<p><b>What is your interest in the projects?</b></p> <p>We live in Loxton, and are zoologists/ecologists and are aware of the negative impacts of windfarms on environment and natural resources</p>	<p>The EAP and Applicant acknowledges the I&amp;AP concern with regard to the proposed development in the Loxton area and included the I&amp;AP on the database so all</p>



Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
	Director	Aida Form		<p><b>Do you have any comments or queries regarding the Loxton WEF Cluster</b></p> <p>We have experience with wind farms in North America and Australia. There are many negative impacts of these developments. Not least the expected lifespan of these wind farms is some 20 years - there is no recycling value to these wind turbines and they are generally left to rot at the sites, creating pollution issues in the long term.</p> <p>We also object to wind farms because of the impact on bats and birds.</p> <p>Then there are issues during construction: vast amounts of water are needed for the development crews and mixing of tons of concrete at the sites. Loxton is a water-deprived area, the village and surrounds already suffer from insufficient water supply.</p> <p>On top of that the heavy equipment used in the construction of the wind turbines will negatively impact the already poor road infrastructure in the area. From past experience in other parts of the world, the companies that construct these wind farms leave the district with damaged roads and have no intention of fixing them. That is a fact.</p>	<p>reporting which will be made available for public review and / or comment will be disclosed to the I&amp;AP.</p> <p>The Environmental Management Programmes (EMPrs) which will require approval from the Department before any activity can commence will include measures which must be adhered to from the design through to decommission and rehabilitation phase of the proposed developments. Recommendations for removal to landfill sites of components of the turbines which cannot be re-used / recycled will be included in the EMPr. A separate scoping &amp; EIA process will be undertaken in terms of EIA Regulations 2014 to assess the impacts associated with the decommissioning phase of the proposed WEF. As part of the REIPPPP programme the project company has legal obligation regarding the rehabilitation and decommissions costs and associated financial guarantees which is issued in favour of the Department of Mineral Resources and Energy.</p> <p>A detailed nest survey and screening exercise was undertaken as part of the site selection and feasibility process for the wind farm. A further 12 months of bird and bat monitoring was undertaken for each of the proposed Loxton WEFs and various no-go buffers for the placement of turbines were delineated to reduce the risk of collisions. The EIA phase of the developments will include measures based on the species and flight activity identified within the boundaries of the development site. Protection of all species are important to consider, and Developers must comply with the measures which will be included in the EMPr for each Loxton WEF.</p> <p>The Developer has been in consultation with relevant parties regarding the water for construction activities of the proposed Loxton WEFs. Reference is made to Section 7.2 of the Scoping Report which advises that water will</p>

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
					<p>be sourced from either the Local Municipality, supplied from a contractor and trucked in, from existing boreholes located within the application site or from a new borehole if none of these options are available. Note, however, that should municipal water supply not be confirmed, the Developer is investigating other water sources considering any necessary and relevant legal requirements, and the ultimate solution would need to be subject to a formal service level agreement, either with the local municipality or a private service provider. More information on the water usage and requirements will also be provided during the EIA Phase of the Loxton WEF 1 – 3 developments.</p> <p>A traffic and transport impact assessment will identify any negative impacts the development may have on the existing infrastructure within the development area. If roads or other infrastructure will be negatively impacted during any phase of the development, measures to mitigate the negative impacts will be identified and included in the EMP for implementation.</p> <p>The EIA reports of each Loxton WEF will present further detail on the impacts identified and the measures recommended to reduce any negative impact and enhance positive impacts identified.</p>
8	<b>Dinah Groenewald</b>  <b>Interested and Affected Party</b>	<b>29 November 2022</b>  <b>Per e-mail</b>	<b>Draft Scoping Phase</b>	<p><b>What is your interest in the projects?</b> nothing at all BUT it is BAD BAD BAD</p> <p><b>Do you have any comments or queries regarding the Loxton WEF Cluster</b> Bad for our countryside and wildlife, birds, rabbits and water shortage in the KAROO</p>	<p>The EAP and Applicant acknowledges the I&amp;AP concern with regard to the proposed development in the Loxton area and included the I&amp;AP on the database so all reporting which will be made available for public review and / or comment will be disclosed to the I&amp;AP.</p> <p>During the EIA phase the results of the specialist assessments with regard to the impact of the development on the wildlife, birds, rabbits and water shortage will be</p>

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
					presented in more detail, including measures to reduce negative impacts and enhance positive impacts.
9	Tania Heurtaux  Interested and Affected Party	29 November 2022  Per e-mail	Draft Scoping Phase	<p><b>What is your interest in the projects?</b> Interest &amp; Affected Party</p> <p><b>Do you have any comments or queries regarding the Loxton WEF Cluster</b> Long term negative effects this project will have on the town's social and environmental structures .</p>	<p>The EAP and Applicant acknowledges the I&amp;AP concern with regard to the proposed development in the Loxton area and included the I&amp;AP on the database so all reporting which will be made available for public review and / or comment will be disclosed to the I&amp;AP.</p> <p>The socio-economic impact assessment has been commissioned and terms of reference include the assessment of impacts that the Loxton WEF Cluster will have on the community as well as the more detail on the mitigation measures to reduce the negative, if any, and enhance the positive impacts of the Loxton WEF Cluster. The Environmental Impact Assessment (EIA) Phase of the Loxton WEF 1 – 3 developments will commence following receipt of approval of the Scoping Phase from the competent authority and the reporting will be made available to I&amp;APs for review and comment. The EIA report(s) will include measures regarding the influx of people (workers), rehabilitation of the development area, visual and landscape impacts etc.</p>
10	Zakiyah Abrahams  <i>Project Developer</i>  WKN Windcurrent SA (Pty) Ltd	30 November 2022  Per e-mail	Draft Scoping Phase	<p><b>From:</b> Abrahams, Zakiya <b>Sent:</b> Wednesday, November 30, 2022 9:42 AM <b>To:</b> LoxtonWEF@arcusconsulting.co.za; Aneesah Alwie <b>Subject:</b> Loxton WEFs</p> <p>Hi Aneesah,</p> <p>Please could you register myself as an I&amp;AP for the Loxton projects and their associated infrastructure projects? Thank you.</p> <p>Kind regards,</p> <p><b>Zakiya Abrahams</b> <i>Project Developer</i></p>	The EAP acknowledges the request and has included the I&AP on the database.

Ref	Name and Organisation	Date and Method	Phase of PPP	Comment	Response
				<b>WKN Windcurrent SA (Pty) Ltd</b>	

## **APPENDIX 1: I&AP DATABASE**

I&AP DATABASE FOR THE LOXTON WEF DEVELOPMENT FINAL SCOPING REPORT				
AFFILIATION TO PROJECT	FARM / DEPARTMENT / ORGANISATION NAME	NAME	SURNAME	OTHER
<b>1. Directly Affected Landowner</b>				
WEF landowner	Portion 12 of the Farm Rietfontein 572	Carlo	Nolte	Wildra Trust
WEF landowner	Remaining Extent of Farm 582	Koos	Voster	Vorster Sarre Holdings (Pty) Ltd
WEF landowner	Remaining Extent of the Farm Saaidam No. 574	Niel	Viljoen	Saaidam Trust
WEF landowner	Portion 4 of the Farm Rietfontein No. 572	Carlo	Nolte	Wildra Trust
WEF landowner	Portion 12 of the Farm Rietfontein No. 572	Carlo	Nolte	Wildra Trust
WEF landowner	Portion 11 of the Farm Rietfontein No.572	Jan	Human	Jan Human in his capacity as the executor of the estate late of Christina Margaretha Human
WEF landowner	Remaining Extent of Farm Rietfontein No.572	Willem	Voster	Alwil Boerdery Pty Ltd
WEF landowner	Remaining Extent of the Farm Saaidam No. 574	Niel	Viljoen	Saaidam Trust
WEF landowner	Remaining Extent of the Farm Yzervarkspoor No. 139	Jacoba Johanne	Wiese	Biesiespoort Trust
WEF landowner	Portion 2 of the Farm Yzervarkspoor No. 139	Jacoba Johanne	Wiese	Biesiespoort Trust
WEF landowner	Portion 2 of the Farm Yzervarkspoor No. 139	Jacoba Johanne	Wiese	Biesiespoort Trust
WEF landowner	Remaining Extent of Farm 273	Willem	Van der Berg	DIE VAN DER BERG FAMILIE TRUST
WEF landowner	Remaining Extent of the Farm No. 262	Jacoba Johanne	Wiese	Biesiespoort Trust
WEF landowner	Remaining Extent of the Farm Erasmuskraal No. 269	Nicolai	Van der Westhuizen	JAKNIC TRUST
WEF landowner	Remainder Portion 5 Farm Rietfontein No 572	Koos	Voster	Vorster Sarre Holdings (Pty) Ltd
WEF landowner	Portion 13 (Portion of Portion 5) of Farm Rietfontein No 570	Koos	Voster	Vorster Sarre Holdings (Pty) Ltd
WEF landowner	Remainder of Farm No 582	Koos	Voster	Vorster Sarre Holdings (Pty) Ltd
WEF landowner	YZERVARKSPOORT, being Portion 3 of the Farm No 139	Jacoba Johanne	Wiese	Biesiespoort Trust
WEF landowner	Farm 262, Remaining Extent, of Farm No 262	Jacoba Johanne	Wiese	YSTERKLIP TRUST
<b>2. Surrounding Landowners</b>				
Surrounding Landowner	Farm 91	Michael Muller		De Cypher Boerdery Trust
Surrounding Landowner	Farm 92	Jan Hendrik Nolte		Wilcor Trust
Surrounding Landowner	Farm 94	Carlo Nolte		Elizabeth Isabella Nolte
Surrounding Landowner	Farm 131	Jan Wiese		
Surrounding Landowner	Farm 133 - Ptn 7	Janneman Human		JJ Human Trust
Surrounding Landowner	Farm 134 - Ptn 3	Johan Aspeiling		
Surrounding Landowner	Farm 134 - Ptn 1	Pieter Aspeiling		
Surrounding Landowner	Farm 139 - Ptn 1	Jan Wiese		
Surrounding Landowner	Farm 142			Mun Ubuntu
Surrounding Landowner	Farm 143	Nicolai Van der Westhuizen		
Surrounding Landowner	Farm 145 - Ptn 1	Dr Neil Potgieter		Altona Trust
Surrounding Landowner	Farm 145 - Ptn 3	Nicola v d Westhuizen		Jaknic Trust
Surrounding Landowner	Farm 145 - Ptn 4	Alida du Toit		Francois Jacobus Du Toit Trustees
Surrounding Landowner	Farm 146 - Ptn 2	Nicolai Van der Westhuizen		
Surrounding Landowner	Farm 147	Dr Neil Potgieter		Altona Trust
Surrounding Landowner	Farm 148	Dr Neil Potgieter		Altona Trust
Surrounding Landowner	Farm 261	John Bekker Smith		
Surrounding Landowner	Farm 538 - Ptn 1	Arnold /Maritha		Arnoldus van der Merwe
Surrounding Landowner	Farm 539 - Ptn 5	Arnold /Maritha		Arnoldus van der Merwe
Surrounding Landowner	Farm 539 - Ptn 7	Stegman / Natasha		Daniel Johannes Stegmann Lubbe
Surrounding Landowner	Farm 539 - Ptn 4	Stegman / Natasha		Daniel Johannes Stegmann Lubbe

Surrounding Landowner	Farm 540	Stegman / Natasha		Daniel Johannes Stegmann Lubbe
Surrounding Landowner	Farm 540 - Ptn 1	Stegman / Natasha		Daniel Johannes Stegmann Lubbe
Surrounding Landowner	Farm 570 - Ptn 2	Henk Cloete /Janette		Hendrik Cornelis Gerhardus Cloete
Surrounding Landowner	Farm 571 - Ptn 1	Henk Cloete /Janette		Hendrik Cornelis Gerhardus Cloete
Surrounding Landowner	Farm 572 - Ptn 12	Carlo Nolte		
Surrounding Landowner	Farm 572 - Ptn 10	Jan Hendrick Nolte		
Surrounding Landowner	Farm 582 - Ptn 1	Henk Cloete /Janette		Hendrik Cornelis Gerhardus Cloete
Surrounding Landowner	Farm 582	Koos Vorster		Vorster Sarre Holdings Pty Ltd
<b>3. National / Provincial / Local Government</b>				
National Government	National Department of Forestry, Fisheries and the Environment (DFFE)	Masina	Morudu	DFFE Case Officer Line Manager
National Government	National Department of Forestry, Fisheries and the Environment (DFFE)	Bathandwa	Ncube	Environmental Case Officer
National Government	National Department of Forestry, Fisheries and the Environment (DFFE)	Lunga	Dlova	Environmental Case Officer
National Government	National Department of Forestry, Fisheries and the Environment (DFFE)	Ms Ernest	Mokgane	Chief Directorate: Protected Areas Expansion Unit
National Government	DFFE: BDC	Seoka	Lekota	BDC Department
National Government	Department of Agriculture, Forestry and Fisheries (DAFF)	Mashudu	Marubini	National Government
National Government	Department of Agriculture, Forestry and Fisheries (DAFF)	Andile	Hawes	National Government
National Government	Department of Agriculture, Forestry and Fisheries (DAFF)	Anneliza	Collet	National Government
National Government	Department of Agriculture, Forestry and Fisheries (DAFF)	Thandeka	Gwala	Assistant Director: Forestry Regulations and Support Directorate: Forestry Management Other Regions (Western
National Government	National Department of Human Settlements, Water and Sanitation (DHSWS)	Nelisa	Ndobeni	Environmental Control Officer
National Government	National Department of Human Settlements, Water and Sanitation (DHSWS)	Phila	Mayisela	Acting Head of Department
National Government	National Department of Human Settlements, Water and Sanitation (DHSWS)	Nelly	Letsholonyane	National Government Cooperate Services
National Government	National Department of Mineral Resources and Energy (DMRE)	Pieter	Swart	Provincial Government
National Government	National Department of Mineral Resources and Energy (DMRE)	Busisiwe	Magazi	Provincial Government
National Government	National Department of Mineral Resources and Energy (DMRE)	Nwabisa	Qwanyashe	National Government
National Government	National Department of Mineral Resources and Energy (DMRE)	Thabo	Mokoena	Director General
National Government	National Department of Mineral Resources and Energy (DMRE)	Ethel	Sinthumule	National Government
National Government	National Department of Mineral Resources and Energy (DMRE)	Molefe	Morokane	National Government
National Government	National Department of Mineral Resources and Energy (DMRE)	Duduzile	Kunene	Department of Mineral Resources (Western Cape): Regional Manager
National Government	National Department of Communications and Digital Technologies	Nozipho N	Mndaweni	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Aphiwe	Fayindlala	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Katshaba	Goafhiwe	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Mduduzi	Shabane	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Dr N	Makgalemele	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Malebo	Baloi	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Pule	Salia	National Government
National Government	National Department of Agriculture, Land Reform and Rural Development (DALRRD)	Zongezile	Bongo	National Government
National Government	National Department of Energy (DoE)	Mpho	Mabaso	Director: Renewable Energies
	National Department of Energy (DoE)	Pheladi Masipa		
National Government	National Department of Public Works	Basson	Geldenhuis	National Government
National Government	National Department of Social Development	Office	Office	National Government
National Government	National Department of Transport	Pule Godfrey	Selepe	National Government
National Government	National Department of Transport	R.C	Barlow	National Government
National Government	National Department of Cooperative Governance and Traditional Affairs	Collen	Malatji	National Government
National Government	National Department of Cooperative Governance and Traditional Affairs	Legadima	Leso	National Government
National Government	National Department of Government Communication and Information System	Chrispin	Phiri	National Government

National Government	National Department of Energy IPP	Pervelan	Govender	National Government
National Government	National Commission on Restitution of Land Rights	Ryan	Oliver	National Government
Provincial Government	Northern Cape Department of Environmental and Nature Conservation (DENC)	Elsabe Swart		
Provincial Government	Northern Cape Department of Environmental and Nature Conservation (DENC)	Mr Brian Fisher		
	Northern Cape Department of Environmental and Nature Conservation (DENC)	Mr Thulani Mthombeni		
	Northern Cape Department of Environmental and Nature Conservation (DENC)	Mrs Judy Scholtz		
	Northern Cape Department of Environmental and Nature Conservation (DENC)(kimberley )	nuys.denc@gmail.com		
Provincial Government	Northern Cape Department of Agriculture, Environmental Affairs, Rural Development and Land	Mr Dineo Moleko		
Provincial Government	Northern Cape Department of Environmental and Nature Conservation			
Provincial Government	Northern Cape Department of Transport, Safety and Liaison			
Provincial Government	Northern Cape Department of Roads and Public Works	Jaco Roelofse		
Provincial Government	Northern Cape Department of Roads and Public Works	Menelisi Sithole		
Provincial Government	Northern Cape Department of Roads and Public Works			
Provincial Government	Department of Energy (DoE) (Northern Cape): Regional Energy Director	Mrs SP Mokuele		
Provincial Government	Northern Cape Department of Transport, Safety and Liaison	Ms Martha Bartlett		
Provincial Government	Pixley ka Seme District Municipality	Rodney	Pieterse	Municipal Manager
Provincial Government	Pixley ka Seme District Municipality	Miriam	Kibi	Speaker
Provincial Government	Pixley ka Seme District Municipality	Humbulani Muhangane		
Local Government	Ubuntu Local Municipality	Debere	Maphosa	Municipal Manager
Local Government	Ubuntu Local Municipality	Thembinkosi	Zingange	
Local Government	Ubuntu Local Municipality	Martin	Fillis	
Local Government	Ubuntu Local Municipality	B	van Staden	
<b>4. Key Stakeholders, Organs of State and Non-Governmental Organisations (NGOs)</b>				
Key Stakeholder	National Energy Regulator of South Africa (NERSA)	Andile	Gxasheka	National Government
Key Stakeholder	National Energy Regulator of South Africa (NERSA)	Pieter	Buys	National Government
Key Stakeholder	National Energy Regulator of South Africa (NERSA)	Office	Office	National Government
Key Stakeholder	WESSA Northern Cape Region	Suzanne	Erasmus	
Key Stakeholder	Square Kilometre Array (SKA)	Adrian	Tiplady	Head: Strategy and Business Processes
Key Stakeholder	Square Kilometre Array (SKA)	Tshegofatso	Monama	
Key Stakeholder	Square Kilometre Array (SKA)	Musa	Baloye	Project Coordinator
Key Stakeholder	South African Civil Aviation Authority (CAA)	Lizelle	Stroh	Obstacle Specialist
Key Stakeholder	South African Civil Aviation Authority (CAA)	Evelyn	Shogole	Environmental Specialist
Key Stakeholder	South African Civil Aviation Authority (CAA)	Gawie	Bestbier	
Key Stakeholder	South African Civil Aviation Authority (CAA)	Chinga	Mazhetese	
Key Stakeholder	Air Traffic and Navigation Services SOC Limited (ATNS)	Makaya	Mamogale	Senior Projects Manager
Key Stakeholder	Air Traffic and Navigation Services SOC Limited (ATNS)	Phillip	De Lange	Manager Western and Northern Cape
Key Stakeholder	Independent Communications Authority of South Africa (ICASA)	Praneel	Ruplal	
Key Stakeholder	Southern African Large Telescope (SALT)	Office	Office	SALT
Key Stakeholder	South African Weather Services (SAWS)	Warren	Joubert	
Key Stakeholder	South African Weather Services (SAWS)	Mlungisi	Ngwenya	
Key Stakeholder	Eskom SOC Ltd (ESKOM)	John	Geeringh	Senior Environmental Advisor Eskom GC - Land Development
Key Stakeholder	Eskom SOC Ltd (ESKOM)	Henk	Wydeman	
Key Stakeholder	Eskom SOC Ltd (ESKOM)	Krishna	Naidoo	Eskom Transmission
Key Stakeholder	Eskom SOC Ltd (ESKOM)	Lazola	Ndonodo	Eskom Senior IPP Advisor
Key Stakeholder	ESKOM: Renewable Energy	Mpilo	Masondo	

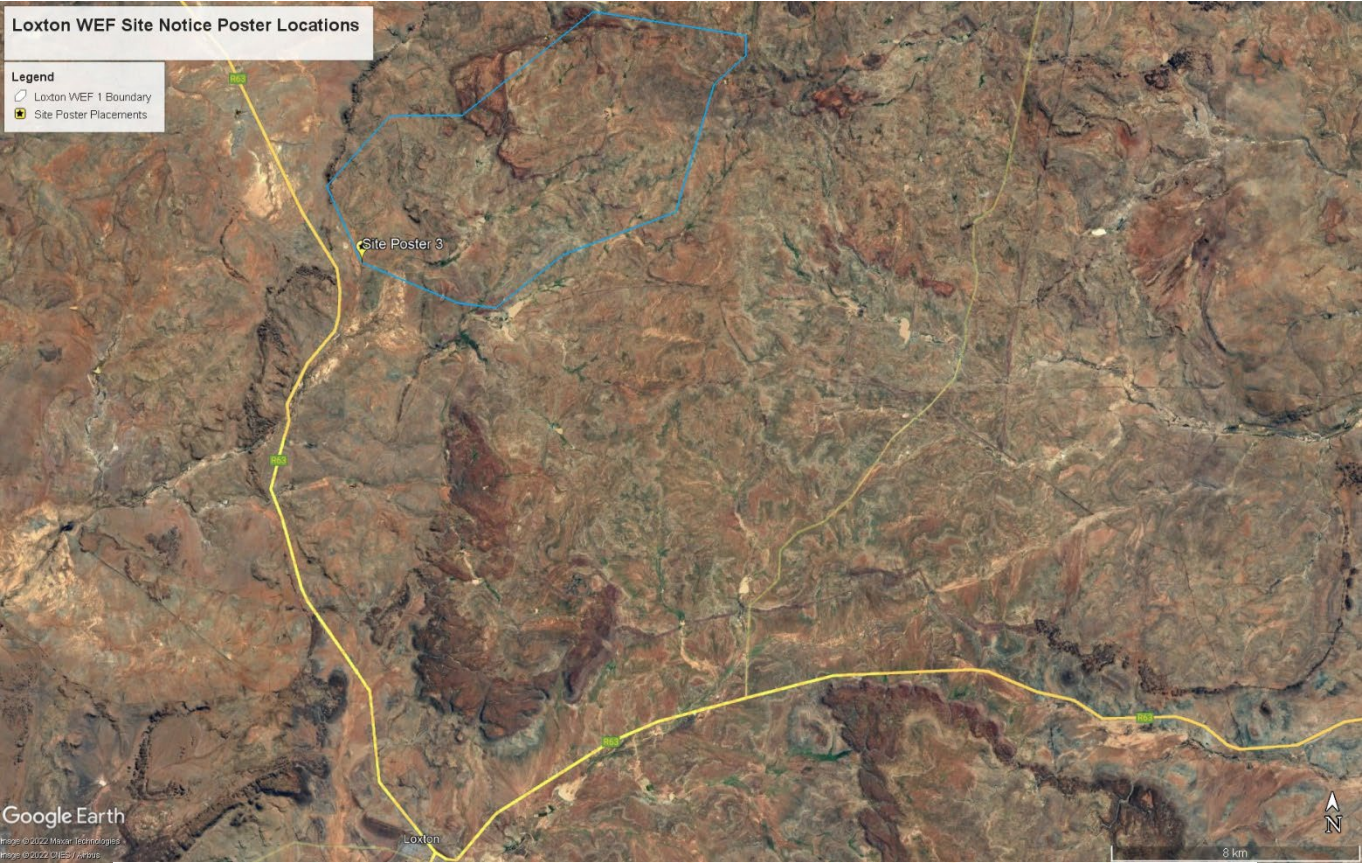


Key Stakeholder	ESKOM: Renewable Energy	Pumza	Jizana	
Key Stakeholder	ESKOM: Renewable Energy	Martina	Phiri	
Key Stakeholder	ESKOM: Renewable Energy	Khululwa	Gaongalelwe	National Government
Key Stakeholder	Transnet SOC Ltd	Thandeka	Nohoyeka	Chief Property Technician, Transet Property
Key Stakeholder	Transnet SOC Ltd	Ezekiel	Monyamane	Transnet Freight Rail, the Senior Manager : Environmental Sustainability,
Key Stakeholder	Transnet SOC Ltd	Annelize	Harmse	
Key Stakeholder	Transnet SOC Ltd	Danie	Kotzee	
Key Stakeholder	Transnet SOC Ltd	Herman	Coetzee	Transnet: Radio Communication Department
Key Stakeholder	South African National Road Agency SOC Ltd (SANRAL)	Rene	De Kock	National Roads Authority (Western Region)
Key Stakeholder	South African National Road Agency SOC Ltd (SANRAL)	Amanda	Mboniswa	National Roads Authority (Western Region)
Key Stakeholder	South African National Road Agency SOC Ltd (SANRAL)	Nicole	Abrahams	National Roads Authority (Western Region)
Key Stakeholder	South African Bat Assessment Advisory Panel (SABAAP)	Kate	Richardson	Chairperson
Key Stakeholder	BirdLife SA	Samantha	Ralston	Birds and Renewable Energy Manager
Key Stakeholder	Endangered Wildlife Trust	Yolan	Friedman	CEO
Key Stakeholder	Endangered Wildlife Trust	Bonnie	Schumann	Field Officer
Key Stakeholder	Endangered Wildlife Trust	Constant	Hoogstad	Wildlife and Energy Programme
Key Stakeholder	South African National Biodiversity Institute (SANBI)			NPAES
Key Stakeholder	Southern African Alternative Energy Association (SAAEA)	Alwyn	Smith	Administrator
Key Stakeholder	Sustainable Energy Society of Southern Africa (SESSA)	Adriana	Chickesh	Knowledge Management Information Officer
Key Stakeholder	World Wildlife Fund (WWF) South Africa	Morne	Du Plessis	
Key Stakeholder	Victoria agricultural organisation	Johan		Chairperson
Key Stakeholder	Central Karoo Agri Union	Carlo	Nolte	Chairperson
Key Stakeholder	Loxton agricultural organisation	John	Meintjies	Chairperson
Key Stakeholder	Agri SA	Thea	Liebenberg	Media Liaison Officer
Key Stakeholder	Agri SA	Janse	Rabie	Head of AgriSA Natrual Resources
Key Stakeholder	Agricultural Research Council	Shadrack	Moephuli	CEO
Key Stakeholder	SanParks (Karoo National Park)	Nico Van Der Walt		Park Manager Karoo National Park
Key Stakeholder	SanParks	Lucius	Moolman	Manager: Karoo NP & SKA core protected area
Key Stakeholder	SanParks	Howard	Hendricks	Snr GM: Policy & Governance Conservation Services Division
Key Stakeholder	SAEON Arid Lands Node	Joh R	Henschel	
Key Stakeholder	SAEON Arid Lands Node	Helga	van der Merwe	
Key Stakeholder	Sentech	Motlhake	Serame	Manager: Radio Frequency Network Planning
Key Stakeholder	Sentech	Alishea	Viljoen	
Key Stakeholder	Altech Fleetcall	Johan	Schoeman	
Key Stakeholder	Cell C Tele Communications	Vivien	Kiewitz	
Key Stakeholder	Cell C Tele Communications	Brian	Joubert	
Key Stakeholder	MTN Tele Communications	Charles	van Reenen	Innovation Centre Engineering
Key Stakeholder	MTN Tele Communications	Renier	Nel	
Key Stakeholder	Neotell Tele Communications	Brian	Dryer	
Key Stakeholder	Telkom SA Limited	Leonard	Shaw	Wireless Planning Development & Support, Telkom HQ
Key Stakeholder	Vodacom South Africa Tele Communications	Craig	Barnes	
Key Stakeholder	Vodacom South Africa Tele Communications	Nico	Fourie	
Key Stakeholder	Northern Cape Heritage Resources Agency	Andrew Timothy		
Key Stakeholder	Northern Cape Heritage Resources Agency	A Hall		
Key Stakeholder	Northern Cape Heritage Resources Agency	Ms R K Cwangae		

Key Stakeholder	South African Heritage Resources Agency	Natasha Higgitt		
Provincial Government	Northern Cape Economic Development Agency	Babalwa Mbobo		
Provincial Government	Department of Rural Development and Land Reform (DRDLR)	Nozizwe Makgalemele		
Provincial Government	South African Department of Defence	Lt. Col. Kebasenosi Zondi		
Provincial Government	Northern Cape Chamber of Commerce & Industry	Sharon	Steyn	Provincial Government
Provincial Government	Northern Cape Department of Argiculture	Lerato	Modse	Provincial Government
Provincial Government	Northern Cape Department of Argiculture	Zanele	Mogorosi	Provincial Government
Provincial Government	Northern Cape Department of Argiculture			Provincial Government
Provincial Government	Northern Cape Department of Argiculture, Land Reform & Rural Development	Ali	Diteme	Provincial Government
Provincial Government	Northern Cape Department of Argiculture, Land Reform & Rural Development	Wonders Dimakatso	Mothibi	Provincial Government
Provincial Government	Northern Cape Department of Argiculture, Land Reform & Rural Development	Dewald	Badenhorst	Provincial Government
Provincial Government	Northern Cape Department of Argiculture, Env Affairs, Rural Dev & Land Reform	Bryan	Fisher	Provincial Government
Provincial Government	Northern Cape Department of Argiculture, Env Affairs, Rural Dev & Land Reform	Dineo	Moleko	Provincial Government
Provincial Government	Northern Cape Department of Argiculture, Env Affairs, Rural Dev & Land Reform	Elsabe	Swart	Provincial Government
Provincial Government	Northern Cape Department of Roads & Public Works	Jaco	Roelofse	Provincial Government
Provincial Government	Northern Cape Department of Roads & Public Works	Menelisi	Sithole	Provincial Government
Provincial Government	Pixley ka Seme District Municipality	Rhooode	Itumeleng	Executive Mayor
<b>5. General Stakeholders and I&amp;Aps</b>				
I&AP		D	Ahmed	I&AP
I&AP	Loxton Liquor Store	Nadia	Davids	In-store
I&AP	Loxton Store	Hester	Esterhuizen	In-store
I&AP	Loxton SAPS	Mlenzana	NE	SAPS Officer
I&AP	Ubuntu Local Municipality	Annaline	Janes	Ubuntu Local Municipality - Loxton Office
I&AP	Loxton Public Library	Voghan	Davids	Loxton Public Library
I&AP	Loxton Public Clinic	Siyabonga	Roman	Loxton Public Clinic
I&AP	Loxton E-Learning Centre	Ingrid	Schöfmann	Karoo Development Foundation Trustee
I&AP	Loxton Karoo Vleisboere	Ronel Liversage	Andre Koorsten	In-store
I&AP	Genesis Eco-Energy Developments	Ashleigh	von der Heyden	
I&AP	Resident of Loxton Town	Michael		
I&AP	Residents of Loxton Town	Christo & Caren	Venter	
I&AP	Resident of Loxton Town	Chris	Stuart	
I&AP	Resident of Loxton Town	Dinah	Groenewald	
I&AP	Resident of Loxton Town	Tania	Heurtaux	
I&AP	WKN Windcurrent SA (Pty) Ltd	Zakiya	Abrahams	
I&AP	Northern Cape Department Agriculture, Environmental Affairs, Rural Development and Land	Peter	Cloete	Production Scientist: Grade A: District Ecologist

## **APPENDIX 2: SITE NOTICES AND POSTER PLACEMENT PROOF**

# Loxton WEF 1 Site Notices



Site Poster Location 3: 31°18.1928'S, 22°19.5473'E



Placed 07 December 2022



# Loxton WEF 2 Site Notices



Site Poster Location 2: 31°24.5047'S, 22°27.3946'E



Placed 07 December 2022



# Loxton WEF 2 Site Notices

Site Poster Location 4:  $31^{\circ}21.5466'S$ ,  $22^{\circ}30.0265'E$





# Loxton WEF 3 Site Notices



Site Poster Location 1: 31°30.9119'S, 22°26.1850'E



Placed 07 December 2022



# Loxton WEF 3 Site Notices

Site Poster Location 5: 31°25.8697'S, 22°34.1724'E



Placed 07 December 2022



# Loxton WEF (1-3) Posters

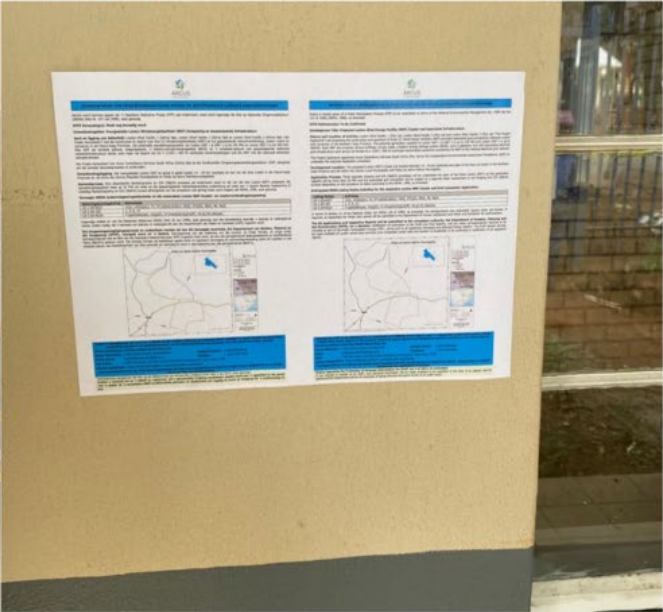
Loxton and Beaufort West Town

Location in Town(s)
Loxton SAPS
Loxton Kruideniers
Loxton Clinic
Loxton Karoo Vleisboere Kooperatief
Loxton Public Library
Loxton Municipal Office
Loxton Transformation Hub and E-Learning Centre
Loxton Lekker Coffee Shop
Loxton Paljas Shop
Beaufort West Municipal Office and Library
Beaufort West SAPS

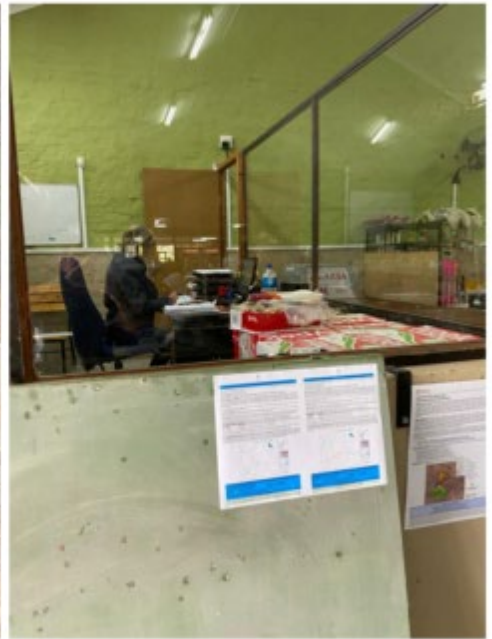
# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

SA Police Station Loxton



Loxton Kruideniers



# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Clinic Loxton





# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Loxton Karoo Vleisboere Kooperatief



Loxton Public Library



# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Loxton Municipal Office



Loxton Transformation Hub and E-Learning Centre





# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Loxton Municipal Office



Loxton Transformation Hub and E-Learning Centre



# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Loxton Lekker Coffee Shop



Loxton Paljas Shop





# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Loxton Lekker Coffee Shop



Loxton Paljas Shop





# Loxton WEF (1-3) Posters

## Loxton Poster Proofs

Loxton Liquor Store



# Loxton WEF (1-3) Posters

## Beaufort West Poster Proofs

Beaufort West Municipal / Public Library



# Loxton WEF (1-3) Posters

## Beaufort West Poster Proofs

Beaufort West SAPS



### **APPENDIX 3: NEWSPAPER ADVERTISEMENT PROOFS**



## PRESTEERDER

JORDAN MARLOW met die Generaal Gous-trofee wat hy saam met 'n kontantprys verower het by Hoërskool Calvinia se prysuitdeling vir die beste akademiese presteerder in Graad 12 vir 2022.



## 25 Jaar gelede

NOORDWESTER: 19 Desember 1997. Saterdag 13 Desember het lede van die VGK, Carnarvon se kerkraad en gemeente vir ds. Sakkie Potgieter wat in die Rynse Kerk bevestig is op die Loxton-pad gaan verwelkom.



## NOTIFICATION OF ENVIRONMENTAL AUTHORISATION AND WATER USE LICENSE APPLICATION PROCESSES

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998 - NEMA), as amended.

## DFFE Reference(s): To Be Confirmed

**Development Title:** Proposed Loxton Wind Energy Facility (WEF) Cluster and Associated Infrastructure

**Nature and Location of Activity:** Loxton Wind Facility 1 (Pty) Ltd, Loxton Wind Facility 2 (Pty) Ltd and Loxton Wind Facility 3 (Pty) Ltd ("the Project Applicants") are proposing the construction and operation of three (3) Wind Energy Facilities (WEF) and their associated grid connections, between Loxton and Carnarvon in the Northern Cape Province. The potential generation capacity of Loxton WEF 1 & WEF 3 is up to 240 MW and Loxton WEF 2 is up to 480 MW. Each WEF will comprise various buildings, access roads, a battery energy storage system (BESS), and a substation hub with associated electrical grid infrastructure such as but not limited to a 132kV / 400 kV overhead transmission powerline connecting the WEF to the national electrical grid network. The Project Applicants appointed Arcus Consultancy Services South Africa (Pty) Ltd as the Independent Environmental Assessment Practitioner (EAP) to undertake the required Application processes.

**Development Location:** The proposed Loxton WEF's Cluster are located between 14 - 20 km northeast and east of the town of Loxton in the Northern Cape Province and fall within the Ubuntu Local Municipality and Pixley ka Seme District Municipality.

**Application Process:** Three separate Scoping and EIA (S&EIA) processes will be undertaken for each of the three Loxton WEF's as the generation capacity will be more than 20 MW and the associated grid connection will be subject to a separate Basic Assessment or full Scoping and EIA (S&EIA) process depending on the procedure to follow according to the NEMA, 1998, as amended.

## Anticipated NEMA Listing Notice Activities for the respective Loxton WEF Cluster and Grid Connection Application:

Listing Notice	Activities
LN 1 GN R327	11(i), 12(ii)(a)(c), 14, 19 (a)(b)(c)(d)(e), 24(ii), 27(i)(ii), 28(ii), 48, 56(ii)
LN 2 GN 325	1, 4, 9, 15
LN 3 GN R324	4 (g)(ii)(bb)(ee), 12(g)(ii), 14 (ii)(a)(b)(c)(g)(i)(ff), 18 (g) (ii) (bb)(ee)

In terms of Section 21 of the National Water Act (NWA) (36 of 1998), as amended, the developments may potentially require water use license. If required, an application for Water Use License will be submitted to the Department of Human Settlement and Water and Sanitation for authorisation.

The EA Applications and respective Reports will be submitted to the competent authority, the Department of Forestry, Fisheries and the Environment (DFFE), for a decision. Notification of submission of the Draft and Final Reports, and any other correspondence required to be included as part of the Public Participation Process (PPP), will be sent to all registered Interested and Affected Parties (I&APs). The Draft reports will also be made available for public review and comment once completed (exact date and location of availability to be confirmed in notification to all registered I&APs). Should you wish to be registered as an I&AP, please submit your name, interest in the project, email and postal address and telephone number in writing to the below address.

**Arcus Consultancy Services South Africa (Pty) Ltd**  
**Arcus Reference / Verwysing:** 4462 Loxton Cluster Development  
**E-mail / E-pos:** loxton@arcusconsulting.co.za  
**Post / Pos:** 240 Main Road, 1st Floor Great Westerford, Rondebosch, Cape Town, 7700  
**Contact Person / Kontak Persoon:** Ashlin Bodasing  
**Telephone / Telefoon:** +2710 596 3502

**Online Registration / Aanlyn Registrasie:** <https://loxton.wef.aiaform.com/stakeholder-registration>

Correspondence throughout the Application Processes will only be distributed to Registered I&APs. Registration is possible throughout the Application Processes.

## Notice regarding the Protection of Personal Information Act (PoPI Act 4 of 2013, as amended)

If you request to register as an I&AP, your personal information will be made available to the Competent Authority and an appellant in the case of an appeal, and an applicant/EAP/independent person for purposes of being informed and given access to an audit report.

## JAPIE SE OPE BRIEF AAN DIE PRESIDENT OOR MORALITEIT

## Swart bemagtiging soos die goudstandaard van 1930's

## Geagte President,

Ek dink u het nie 'n maklike taak nie. Dit moet moeilik wees om 'n balans te vind tussen soveel belangegroepes sodat daar vir almal voordeel is, dat almal baat vind by die beleid van die regering.

Nou onlangs het u weer die beleid van die afgelope 30 jaar bevestig. Die motivering vir die beleid word op mora-

listiese wyse aangebied: Armoede en rykdom word van geslag tot geslag oorgedra. Die bevoorregting van die verlede moet reggestel word. Met hierdie benadering stel u 'n klomp mense tevrede. Het dit nie tyd geraak dat ons na die telbord moet gaan kyk nie? Het u al oorweeging gegee aan wat u siening vir die meerderheid

Suid-Afrikaners inhou? U moet erken dat na 30 jaar die meeste Suid-Afrikaners se situasie op ekonomiese vlak nie eintlik verbeter het nie. Baie is werkloos. Hoe vind hulle baat by u beleid? Miskien moet ons die vraag anders stel: Ten spyte van u morele argumente, tot hoe 'n mate is hierdie beleid die oorsaak van armoede? In die kompetende wêreld waarin ons vandag leef, kan 'n kar nie vier silinders hê maar slegs drie daarvan werk nie. Dit is tog logies dat so 'n kar sal agterby op die pad van die lewe. U bedoeling mag dalk goed wees, maar die telbord vertel 'n heel ander verhaal.

Ek weet dat u dit nie sal doen nie, maar ek dink u sal baat vind om terug te gaan in die geskiedenis van ons land. Dan sal u sien hoe ekonomiese wette politieke doelwitte laat sneuwel het. In die blanke Afrikaner se geheue is die gebeure rondom die depressie van die dertigerjare ingebrand. Die regering met genl. Hertzog aan bewind, wou nie doen wat die ekonomie vereis het nie. Die regering wou nie afstap van die goudstandaard nie. Daarmee

het sy doelwit om die blanke Afrikaner uit armoede op te hef, misluk en het juis sy teikengroep teen 'n ongeloflike tempo verarm.

Meneer die President, wat ons nodig het is nie net 'n morele standpunt nie, maar 'n standpunt wat sal rekening hou met die werklikheid van die ekonomiese dryfver.

Daar is nie meer plek vir ondoeltreffendheid nie. Indien u almal wil laat baat vind, bring meriete op 'n manier terug. Bring meriete terug ter wille van hulle wat u nou tevrede moet hou met R350 per maand.

U moet onthou dat daar 'n dag sal kom, wat mense sal sê: "President, los die mooi praatjies en die beloftes. Gee vir ons werk dat ons self ons brood kan koop."

Groete, Japie.



## DAVEL DIENSPRYS

EWAN VALENTEIN was die ontvanger van die Davel Diensprys by Hoërskool Calvinia se prysuitdeling. Hy ontvang dit vir sy bydrae tot alle bedrywighede by die skool.





## **APPENDIX 4: DRAFT NOTIFICATION**

**From:** LoxtonWEF@arcusconsulting.co.za  
**Sent:** Monday, 14 November 2022 18:46  
**Subject:** Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province  
**Attachments:** 4462\_Loxton WEF\_DSR\_I&AP\_AFR\_v1-0\_AAL\_20221111.pdf; 4462\_Loxton WEF\_DSR\_I&AP\_ENG\_v1-0\_AAL\_20221111.pdf

**SUBMISSION OF A SCOPING AND EIA PROCESS FOR THE LOXTON 1, LOXTON 2 AND LOXTON 3 WIND ENERGY FACILITIES, LOXTON, NORTHERN CAPE PROVINCE**

Dear Interested and Affected Party,

This email serves to inform you about the submission of the Environmental Application and Draft Scoping Reports for the proposed Loxton 1, Loxton 2 and Loxton 3 Wind Energy Facilities, near Loxton in the Northern Cape Province.

Please note that three separate applications with their respective scoping reports have been submitted to the Competent Authority.

Public Participation Process (PPP), which is being undertaken in accordance with the requirements of Section 24 (5) and Chapter 6 (41, 42, 43, and 44) of GN R. 326 of the NEMA, 1998 EIA Regulations, 2014 (as amended) and the Western Cape Department of Environmental Affairs & Development Planning (DEA&DP) Guideline on Public Participation (2011). The reports will be available for a 30 day comment period from **14 November 2022 until 14 December 22 (both days inclusive)**. Please ensure that you have submitted your comment before the close of the comment period should you wish to have your input considered in the submission of the Final Final Scoping Report.

More information on how you are able to participate in this process is attached in the above documentation.

Please indicate which application your comment in respect of.

Thank you,  
Regards,  
Ashlin Bodasing  
Environmental Assessment Practitioner



**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION AND WATER USE LICENSE APPLICATION PROCESSES**

14 November 2022

Dear Interested and Affected Party, Stakeholder, Organ of State

**RE: NOTIFICATION OF AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW AND COMMENT OF THE PROPOSED LOXTON WIND ENERGY FACILITY (1 – 3) CLUSTER, NORTHERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA, 1998), as amended.

**DFFE Reference(s): To Be Confirmed**

**Nature of Activity:** Loxton Wind Facility 1 (Pty) Ltd, Loxton Wind Facility 2 (Pty) Ltd and Loxton Wind Facility 3 (Pty) Ltd ('the Project Applicants') are proposing the construction and operation of three (3) Wind Energy Facilities (WEF). The potential generation capacity of Loxton WEF 1 & WEF 3 is up to 240 MW and Loxton WEF 2 is up to 480MW. Each WEF will comprise various buildings, access roads, a battery energy storage system (BESS), and a substation hub with associated electrical grid infrastructure such as but not limited to a 132kV / 400 kV overhead transmission powerline connecting the WEF to the national electrical grid network.

**Development Location:** The proposed Loxton WEF's Cluster are located between 14 - 20 km northeast and east of the town of Loxton and fall within the Ubuntu Local Municipality and Pixley ka Seme District Municipality, in the Northern Cape Province.

**Application Process:** In terms of Chapter 5 of the National Environmental Management Act, 1998 (Act 107 of 1998 – NEMA), Environmental Impact Assessment (EIA) Regulations, 2014 (as amended), the Project Applicants appointed Arcus Consultancy Services South Africa (Pty) Ltd (Arcus), to act as the project manager and to undertake the Scoping and Environmental Impact Assessment (S&EIA) processes as the independent environmental impact assessment practitioner (EAP).

*In terms of Section 21 of the National Water Act (NWA) (36 of 1998), as amended, the development may potentially require water use license. If required, an application for Water Use License will be submitted to the Department of Human Settlement and Water and Sanitation for authorisation.*

**Arcus has submitted three separate Environmental Applications, including separate Draft Scoping Reports to the Department of Forestry, Fisheries and the Environment (DFFE).**

**Invitation to Comment:** Members of the public, local communities, and stakeholders are invited to comment on the Draft Scoping Reports, which is available for public review and comment, from **Monday, 14 November 2022 until the 14 December 2022 (both days inclusive)**, as per Table 1 below.

**Table 1: Public Review and Comment Locations**

Location	Physical Address
<b>Electronic Copy Locations</b>	
<b>Arcus Website</b> (available for download)	<a href="https://arcusconsulting.co.za/projects/">https://arcusconsulting.co.za/projects/</a>
<b>Via One Drive</b>	I&APs can request for copies to be sent via one drive shared folder.
<b>Hard Copy Location</b>	
<b>Loxton Public Library</b>	Located within the Ubuntu Local Municipality, Loxton Magrieta Prinsloo St, Loxton, 8405
<b>Trading Hours</b>	Monday – Thursday: 07h30 – 16h15 Friday: 07h30 – 15h00
<b>CD Copies will be made upon request to the EAP.</b>	

With reference to this public participation process, please send your comments / queries / questions on the Draft Scoping Reports in writing **on or before the 14 December 2022** to the below address. Please also indicate the contact details of any other potential I&APs that should be contacted and registered.

**Arcus Consultancy Services South Africa (Pty) Ltd**

**Arcus Reference** : 4462 Loxton WEF Cluster  
**Via Email** : [LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za)  
**Online Portal** : <https://loxtonwef.aidaform.com/stakeholder-engagement>  
**Via Post** : 240 Main Road, 1st Floor Great Westerford, Rondebosch, 7700  
**Via Telephone** : +2710 596 3502 / +27 (0) 72 595 0104  
**Contact Person** : Ashlin Bodasing

Following the 30-day public participation, the comments will be addressed and incorporated into the Final Scoping Reports, which will be submitted to the DFFE for approval to progress to the EIA Phase.

**Please note, regarding the Protection of Personal Information Act (PoPI Act 4 of 2013, as amended):** If you request to register as an I&AP, your personal information will be made available to an appellant in the case of an appeal, and an applicant/EAP/independent person for purposes of being informed and given access to an audit report.

**Correspondence throughout the Application Process will only be distributed to Registered I&APs.  
Registration is possible throughout the Application Process.**

Thank you for the interest in the project.



Ashlin Bodasing  
Director and Registered EAP  
Arcus Consultancy Services South Africa (Pty) Ltd

**KENNISGEWING VAN OMGEWINGSMAGTIGING PROSES EN WATERGEBRUIK-LISENSIE AANSOEKPROSESSE**

14 November 2022

Geagte Belanghebbende en Geaffekteerde Party, Belanghebbende, Staatsorgaan

Kennis word hiermee gegee van 'n Openbare Deelname Proses (PPP) wat onderneem moet word ingevolge die Wet op Nasionale Omgewingsbestuur (NEMA) (Wet Nr. 107 van 1998), soos gewysig.

**DFFE Verwysing(s): Moet nog bevestig word**

**RE: KENNISGEWING VAN BESKIKBAARHEID VAN DIE KONSEP OMVANGBEPALINGVERSLAE VIR PUBLIEKE OORSIG EN KOMMENTAAR VAN DIE VOORGESTELDE LOXTON WINDENERGIE FASILITEIT (1 – 3) GROEPERING, NOORD-KAAP PROVINSIE**

**Aard van Aktiwiteit:** Loxton Wind Facility 1 (Edms) Bpk, Loxton Wind Facility 2 (Edms) Bpk en Loxton Wind Facility 3 (Edms) Bpk ('die Projek Aansoekers') stel die konstruksie en bedryf voor drie (3) Windenergiefasiliteite (WEF). Die potensiele opwekkingskapasiteit van Loxton WEF 1 & WEF 3 is tot 240 MW en Loxton WEF 2 is tot 480 MW. Elke WEF sal verskeie geboue, toegangspaaie, 'n battery-energie-bergingstelsel (BESS) en 'n substasie-spilpunt met gepaardgaande elektriese netwerkinfrastruktuur bevat, soos maar nie beperk nie tot 'n 132kV / 400 kV oorhoofse transmissiekraglyn wat die WEF met die nasionale elektriese netwerknetwerk.

**Ontwikkelingsligging:** Die voorgestelde Loxton WEF se groep is geleë tussen 14 - 20 km noordoos en oos van die dorp Loxton en val binne die Ubuntu Plaaslike Munisipaliteit en Pixley ka Seme Distriksmunisipaliteit, in die Noord-Kaap Provinsie.

**Aansoekproses:** Ingevolge Hoofstuk 5 van die Wet op Nasionale Omgewingsbestuur, 1998 (Wet 107 van 1998 – NEMA), Omgewingsimpakbepaling (EIA) Regulasies, 2014 (soos gewysig), het die Projek Aansoekers Arcus Consultancy Services South Africa (Edms) Bpk (Arcus), om as die projekbestuurder op te tree en om die Omvang- en Omgewingsimpakbepaling (S&EIA)-prosesse as die onafhanklike omgewingsimpakbepalingspraktisyn (EAP) te onderneem.

*Ingevolge Artikel 21 van die Nasionale Waterwet (NWA) (Wet 36 van 1998), soos gewysig, kan die ontwikkeling moontlik 'n lisensie vir watergebruik vereis. Indien nodig, sal 'n aansoek om lisensie vir watergebruik aan die Departement van Water en Sanitasie (DWS) ingedien word.*

**Arcus het drie Omgewingsaansoekers, insluitend 'n Konsep Omvangbepaling Verslae by die Departement van Bosbou, Visserye en die Omgewing (DFFE) ingedien.**

**Uitnodiging om kommentaar te lewer:** Lede van die publiek, plaaslike gemeenskappe en belanghebbendes word genooi om kommentaar te lewer op die Konsep Omvangbepaling Verslae wat beskikbaar is vir publieke hersiening en kommentaar, vanaf **Maandag, 14 November 2022 tot Woensdag, 14 Desember 2022 (beide dae ingesluit)**, soos in Tabel 1 hieronder.

**Tabel 1: Publieke Hersiening en Kommentaar Ligging**

Ligging	Fisiese adres
<b>Elektroniese kopieer-ligging</b>	
<b>Arcus webwerf</b> (beskikbaar vir aflaai)	<a href="https://arcusconsulting.co.za/projects/">https://arcusconsulting.co.za/projects/</a>
<b>Via One Drive</b>	B&GP's kan versoek dat kopieë via een Drive-gedeelte gestuur word.
<b>Hardekopieë ligging</b>	
<b>Loxton Biblioteek</b>	Geleë in die Ubuntu Plaaslike Munisipaliteit, Loxton Magrieta Prinsloo St, Loxton, 8405
<b>Openingsure</b>	Maandag – Donderdag: 07h30 – 16h15 Vrydag: 07h30 – 15h00
<b>CD-kopieë sal op versoek aan die EAP gemaak word.</b>	

Met verwysing na hierdie openbare deelnameproses, stuur asseblief U kommentaar / navrae / vrae oor die Konsep Omvangbepaling Verslae skriftelik **voor of op 14 Desember 2022** na die onderstaande adres. Dui asseblief ook die kontakbesonderhede van enige ander potensiële B&GPe aan wat gekontak en geregistreer moet word.

**Arcus Consultancy Services South Africa (Pty) Ltd**

**Arcus Verwysing** : 4462 Loxton WEF Cluster  
**E-pos** : [LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za)  
**Aanlyn portaal** : <https://loxtonwef.aidaform.com/stakeholder-engagement>  
**Pos Adres** : 240 Main Road, 1st Floor Great Westerford, Rondebosch, 7700  
**Telefoon** : +2710 596 3502 / +27 (0) 72 595 0104  
**Kontak Persoon** : Ashlin Bodasing

Na die 30-dae openbare deelname, sal die kommentaar aangespreek word en in die Finale Omvangbepaling Verslae geïnkorporeer word, wat aan die DFFE voorgelê sal word vir goedkeuring om na die EIA-fase te vorder.

**Neem asseblief kennis, aangaande die Wet op die Beskerming van Persoonlike Inligting (PoPI Wet 4 van 2013, soos gewysig):** Indien U versoek om as 'n B&GP te registreer word, sal U persoonlike inligting beskikbaar gestel word aan 'n appellant in die geval van 'n appèl, en 'n applikant/EAP/onafhanklike persoon vir doeleindes om ingelig te word en toegang tot 'n ouditverslag.

**Korrespondensie deur die hele Aansoekproses sal slegs aan Geregistreerde B&GPe versprei word.  
Registrasie is moontlik deur die hele Aansoekproses.**

Dankie vir die belangstelling in die projek.



Ashlin Bodasing  
Director and Registered EAP  
Arcus Consultancy Services South Africa (Pty) Ltd

## **APPENDIX 5: CORRESPONDENCE – ORIGINAL COMMENTS & RESPONSES**

### **(i) Initial Notification Correspondence**

**NO CORRESPONDENCE / COMMENT WAS RECEIVED DURING THIS PHASE.**

**(ii) Draft Notification Correspondence**

## Aneesah Alwie

---

**From:** John Geeringh <[REDACTED]>  
**Sent:** Tuesday, 13 December 2022 16:14  
**To:** LoxtonWEF@arcusconsulting.co.za  
**Subject:** RE: [CAUTION:EXTERNAL EMAIL] - Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province

You don't often get email from geerinh@eskom.co.za. [Learn why this is important](#)

---

### EXTERNAL MESSAGE

Thanks  
John

---

**From:** LoxtonWEF@arcusconsulting.co.za <LoxtonWEF@arcusconsulting.co.za>  
**Sent:** Tuesday, 13 December 2022 15:57  
**To:** John Geeringh <[REDACTED]>  
**Subject:** RE: [CAUTION:EXTERNAL EMAIL] - Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province

Dear John

Thank you for your e-mail. Please note that the Application to connect the Loxton WEF 1 – 3 to the national grid has not been submitted to the Department and or been made available for public comment and review. Please find attached a KMZ file of each Loxton WEF 1 – 3.

Thank You

Kind Regards

**Ashlin Bodasing**  
Registered EAP and Technical Director

Tel: +27 10 596 3495  
Email: [loxtonWEF@arcusconsulting.co.za](mailto:loxtonWEF@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

---

**From:** John Geeringh <[REDACTED]>  
**Sent:** Tuesday, November 15, 2022 8:41 AM  
**To:** [LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za)  
**Subject:** RE: [CAUTION:EXTERNAL EMAIL] - Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province

---

### EXTERNAL MESSAGE

Please find attached Eskom requirements for work at or near Eskom infrastructure and servitudes, as well as a setbacks guideline for renewable energy developments. Please send me KMZ files of the individual projects indicating properties and proposed layouts as well as proposed grid connection.

Kind regards

John Geeringh (Pr Sci Nat) Reg. EAP (EAPASA)  
Senior Consultant Environmental Management  
Grid Planning: Land and Rights  
Eskom Transmission Division

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

---

**From:** [LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za) <[LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za)>

**Sent:** Monday, 14 November 2022 18:46

**Subject:** [CAUTION:EXTERNAL EMAIL] - Notification of Submission: Draft Scoping Report Loxton WEFs, near Loxton Northern Cape Province

**SUBMISSION OF A SCOPING AND EIA PROCESS FOR THE LOXTON 1, LOXTON 2 AND LOXTON 3 WIND ENERGY FACILITIES, LOXTON, NORTHERN CAPE PROVINCE**

Dear Interested and Affected Party,

This email serves to inform you about the submission of the Environmental Application and Draft Scoping Reports for the proposed Loxton 1, Loxton 2 and Loxton 3 Wind Energy Facilities, near Loxton in the Northern Cape Province.

Please note that three separate applications with their respective scoping reports have been submitted to the Competent Authority.

Public Participation Process (PPP), which is being undertaken in accordance with the requirements of Section 24 (5) and Chapter 6 (41, 42, 43, and 44) of GN R. 326 of the NEMA, 1998 EIA Regulations, 2014 (as amended) and the Western Cape Department of Environmental Affairs & Development Planning (DEA&DP) Guideline on Public Participation (2011). The reports will be available for a 30 day comment period from **14 November 2022 until 14 December 22 (both days inclusive)**. Please ensure that you have submitted your comment before the close of the comment period should you wish to have your input considered in the submission of the Final Final Scoping Report.

More information on how you are able to participate in this process is attached in the above documentation.

Please indicate which application your comment in respect of.

Thank you,  
Regards,  
Ashlin Bodasing  
Environmental Assessment Practitioner

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NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at [http://www.eskom.co.za/Pages/Email\\_Legal\\_Spam\\_Disclaimer.aspx](http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx)



## TO WHOM IT MAY CONCERN

### Eskom requirements for work in or near Eskom servitudes.


1. Eskom's rights and services must be acknowledged and respected at all times.
2. Eskom shall at all times retain unobstructed access to and egress from its servitudes.
3. Eskom's consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.
4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.
5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer's activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.
6. The use of explosives of any type within 500 metres of Eskom's services shall only occur with Eskom's previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.
7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's satisfaction.
8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer's equipment.
9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days' notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager

Note: Where an electrical outage is required, at least fourteen work days are required to arrange it.

10. Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.
11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom's satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.
12. The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.
13. Equipment shall be regarded electrically live and therefore dangerous at all times.
14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.
15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.
16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant.
17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.

John Geeringh (Pr Sci Nat)(EAPASA)  
Senior Consultant Environmental Management  
Eskom Transmission Division: Land & Rights

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

 Eskom	SCOT	Technology
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Title: **Renewable Energy Generation Plant Setbacks to Eskom Infrastructure** Unique Identifier: **240-65559775**

Alternative Reference Number: **N/A**

Area of Applicability: **Power Line Engineering**



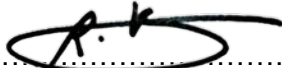
Documentation Type: **Guideline**

Revision: **2**

Total Pages: **9**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

Compiled by	Approved by	Authorised by
		
<b>J W Chetty</b> <b>Mechanical Engineer</b>	<b>B Ntshuntsha</b> <b>Chief Engineer (Lines)</b>	<b>R A Vajeth</b> <b>Snr Manager (Lines) and SCOT/SC/ Chairperson</b>
Date: 15 / 09 / 2020	Date: 30/10/2020	Date: 30/10/2020

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## **EXECUTIVE SUMMARY**

In recent decades, the use of wind turbines, concentrated solar plants and photovoltaic plants have been on the increase as it serves as an abundant source of energy. This document specifies proposed setbacks for wind turbines and the reasons for these setbacks from infrastructure as well as setbacks for concentrated solar plants and photovoltaic plants. Setbacks for wind turbines employed in other countries were compared and a general setback to be used by Eskom was suggested for use with wind turbines and other renewable energy generation plants.

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## **1. INTRODUCTION**

During the last few decades, a large amount of wind turbines have been installed in wind farms to accommodate for the large demand of energy and depleting fossil fuels. Wind is one of the most abundant sources of renewable energy. Wind turbines harness the energy of this renewable resource for integration in electricity networks. The extraction of wind energy is its primary function and thus the aerodynamics of the wind turbine is important. There are many different types of wind turbines which will all exhibit different wind flow characteristics. The most common wind turbine used commercially is the Horizontal Axis Wind Turbine. Wind flow characteristics of this turbine are important to analyse as it may have an effect on surrounding infrastructure.

Wind turbines also cause large turbulence downwind that may affect existing infrastructure. Debris or parts of the turbine blade, in the case of a failure, may be tossed behind the turbine and may lead to damage of infrastructure in the wake path.

This document outlines the minimum distances that need to be introduced between a wind turbine and Eskom infrastructure to ensure that debris and / or turbulence would not negatively impact on the infrastructure and future expansion of infrastructure (lines and substation) as per the long term planning scenario.

Safety distances of wind turbines from other structures as implemented by other countries were also considered and the reasons for their selection were noted. All renewable energy developments are approved by The Department of Environmental Affairs, Forestry and Fisheries (DEFF) in terms of NEMA. The DEFF is aware of the setbacks guideline, however they cannot use it in terms of decision making since the setbacks document has no legal standing in SA and it would be outside of their mandate who have been advised to follow the guidelines herein.

Concentrated solar plants and photovoltaic plants setbacks away from substations were also to be considered to prevent restricting possible power line access routes to the substation and possible expansion of substations.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document provides guidance on the safe distance that a wind turbine should be located from any Eskom power line or substation. Although it is not based on any legislative requirement, it is deemed important that Eskom's infrastructure and future network expansion planning is not impeded. The document specifies proposed setback distances for transmission lines (220 kV to 765 kV), distribution lines

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(66 kV to 132 kV) and all Eskom substations. Proposed setbacks for concentrated solar plants and photovoltaic plants are also specified away from substations.

### **2.1.1 Purpose**

Setbacks for wind turbines and power lines / substations are required for various reasons. These include possible catastrophic failure of the turbine blade that may release fragments and which may be thrown onto nearby power lines that may result in damage with associated unplanned outages. Turbulence behind the turbine may affect helicopter flight during routine Eskom live line maintenance and inspections that may lead to safety risk of the aircraft / personnel. Concentrated solar plants and photovoltaic plants setback away from substations were required to prevent substations from being boxed in by these renewable generation plants limiting line route access to the substations and possible future substation expansion.

### **2.1.2 Applicability**

This document is applicable to the siting of all new and existing wind turbines, concentrated solar plants and photovoltaic plants near power lines and substations and in line of site between Eskom telecommunication infrastructure, including future Eskom renewable energy development.

## **2.2 NORMATIVE/INFORMATIVE REFERENCES**

### **2.2.1 Normative**

1. <http://www.envir.ee/orb.aw/class=file/action=preview/id=1170403/Hiiumaa+turbulence+impact+EMD.pdf>.
2. <http://www.energy.ca.gov/2005publications/CEC-500-2005-184/CEC-500-2005-184.PDF>
3. <http://www.adamscountywind.com/Revised%20Site/Windmills/Adams%20County%20Ordinance/Adams%20County%20Wind%20Ord.htm>
4. [http://www.dsireusa.org/incentives/incentive.cfm?Incentive\\_Code=PA11R&RE=1&EE=1](http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=PA11R&RE=1&EE=1)
5. <http://www.wind-watch.org/documents/european-setbacks-minimum-distance-between-wind-turbines-and-habitations/>
6. <http://www.publications.parliament.uk/pa/ld201011/ldbills/017/11017.1-i.html>
7. [http://www.caw.ca/assets/pdf/Turbine\\_Safety\\_Report.pdf](http://www.caw.ca/assets/pdf/Turbine_Safety_Report.pdf)
8. Rogers J, Slegers N, Costello M. (2011) A method for defining wind turbine setback standards. Wind energy 10.1002/we.468

### **2.2.2 Informative**

None

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## 2.3 DEFINITIONS

Definition	Description
Setback	The minimum distance between a wind turbine and boundary line/dwelling/road/infrastructure/servitude etc.
Flicker	Effect caused when rotating wind turbine blades periodically cast shadows
Tip Height	The total height of the wind turbine ie. Hub height plus half rotor diameter (see Figure1)

### 2.3.1 Disclosure Classification

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

## 2.4 ABBREVIATIONS

Abbreviation	Description
None	

## 2.5 ROLES AND RESPONSIBILITIES

All parties involved in the positioning wind turbines, concentrated solar plants and photovoltaic plants near power lines/substations should endeavour to follow the setbacks outlined in this guideline.

## 2.6 PROCESS FOR MONITORING

Agreement by Eskom in writing on any encroachment of the setbacks distance should be requested via the Grid Access Unit. Eskom should ensure that every application for renewable energy (RE) developments are informed about the existence of the setbacks document early in the RE planning process to ensure maximum effect. This includes Eskom RE development.

## 2.7 RELATED/SUPPORTING DOCUMENTS

None

## 3. DOCUMENT CONTENT

### 3.1 INTERNATIONAL SETBACK COMPARISON

Wind Turbine setbacks employed by various countries were considered. It was found that setbacks were determined for various reasons that include noise, flicker, turbine blade failure and wind effects as well as

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future network expansion planning. The distances (setbacks) varied based on these factors and were influenced by the type of infrastructure

Wind turbine setbacks varied for roads, power lines, dwellings, buildings and property and it was noted that the largest setbacks were employed for reasons of noise and flicker related issues [1-7]. Very few countries specified setbacks for power lines.

The literature survey [1-7], yielded information about studies and experiments were conducted to determine the distance that a broken fragment from a wind turbine might be thrown. Even though of low probability of hitting a power line [ $5.0 \times 10^{-5}$  <sup>[8]</sup>], the distances recorded were significant [750m <sup>[8]</sup>]

Wind turbines may also cause changes in wind patterns with turbulent effects behind the hub. These factors influence the wind turbine setbacks specified in this document.

Setbacks were thus introduced to prevent any damage to Eskom infrastructure and impedance to operation and future network expansion planning.

Renewable energy plant can also limit access into substations for power lines of all voltages. A setback distance should therefore be employed to prevent substations from being boxed in by these generation plants and preventing future network expansion. These setback distances are specified in this document.

### **3.2 ESKOM RECOMMENDED SETBACKS**

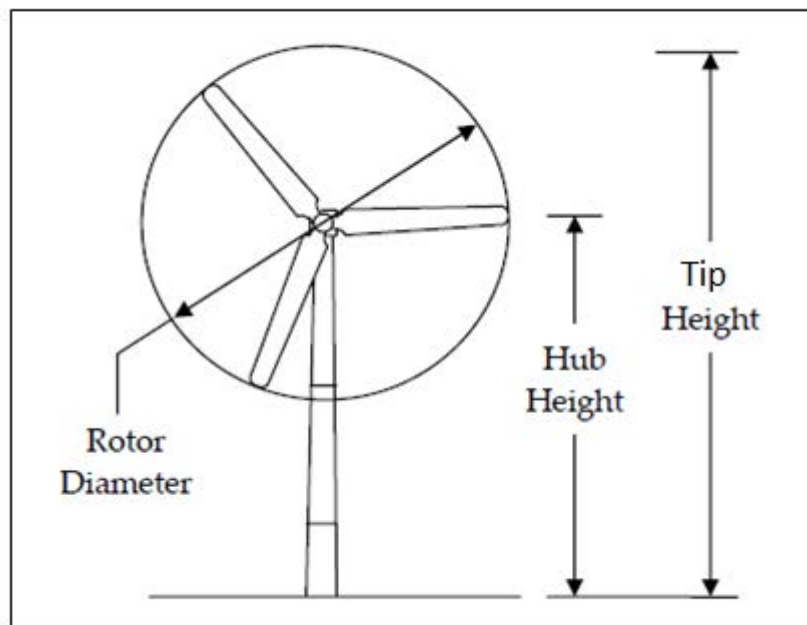
Any renewable energy applicant should engage with Eskom to determine if their plant layout or positioning of turbines, CSP or PV infrastructure would encroach on the proposed setbacks provided for in this guideline and to ensure that their planning and Eskom's future expansion planning is taken into account. Eskom must inform all renewable energy developers, including Eskom RE, of the existence of the setbacks guideline early in the development process. Should there be an encroachment, a formal request should be sent to and accepted by Eskom in writing if any of the below mentioned setback distances are infringed upon:

- Eskom requests a setback distance of 3 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for transmission lines (220kV to 765kV) and Substations.
- Eskom requests a setback distance of 1 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for distribution lines (66 kV to 132 kV) and Substations.

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- A written request should be sent to Eskom via the Grid Access Unit regarding any proposed wind turbine, concentrated solar plants and photovoltaic activity within a 5 km radius of a substation for Eskom to comment on.
- Where concentrated solar plants, photovoltaic structures, battery storage systems (BESS) and other renewable generation plants fall within a 2 km radius of the closest point of a transmission or distribution substation (66kV to 765kV), a written agreement with Eskom is recommended during the planning phase of such plant or structures to ensure Eskom's future planning is not impeded.
- Applicants should not position any wind turbine in the line of site between and two Eskom Radio Telecommunication masts. It should be proven that Eskom radio telecommunication systems (mainly microwave systems) will not be affected in any way by wind turbines due to the criticality of this infrastructure in terms of network operation. Eskom Telecommunications should be engaged on this matter.
- If the position or size of any turbine changes and subsequently infringes on any of the above stated setbacks, a request for relaxation must be sent through to Eskom as per the point mentioned above.



**Figure 1: Horizontal Axis Wind Turbine [2]**

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#### 4. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
V Naidoo	Chief Engineer
Dr P Pretorius	Electrical Specialist
J Geeringh	Snr Consultant Environ Mngt
B Haridass	Snr Consultant Engineer
B Ntshuntsha	Chief Engineer
R Vajeth	Snr Manager (Lines)
D A Tunncliff	Snr Manager L&R (Acting)
B Branfield	Snr Consultant Engineer

#### 5. REVISIONS

Date	Rev.	Compiler	Remarks
November 2013	0	J W Chetty	First Publication - No renewable energy generation plant setback specification in existence.
October 2018	1	JW Chetty	Modification to sub-section 3.2 to provide more clarity for application procedure.
June 2020	2	JW Chetty	Content within the guideline was re-worded to explain the benefits of mutual agreements between the applicants and ESKOM rather than the application being a legal obligation.

#### 6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Jonathan Chetty (Mechanical Engineer)

Vivendhra Naidoo (Chief Engineer)

Dr Pieter Pretorius (Electrical Specialist)

John Geeringh (Snr Consultant Environ Mngt)

Bharat Haridass (Snr Consultant Engineer)

Riaz Vajeth (Snr Manager (Lines))

Bruce Ntshuntsha (Chief Engineer)

David Tunncliff (Snr Manager L&R Acting)

#### **CONTROLLED DISCLOSURE**

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# Stakeholder Engagement

<https://loxtonwef.aidaform.com/stakeholder-engagement>

Tuesday, November 15, 2022 07:00 UTC

## What's your name?

Ashleigh

von der Heyden

## Who do you represent?

Genesis Eco-Energy Developments

Project Management

## Your Email

[REDACTED]

## Your Mobile Phone Number

[REDACTED]

## Alternative Phone Number

[REDACTED]

## Your Postal Address

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## What is your interest in the projects?

Competitor Project

## Do you have any comments or queries regarding the Loxton WEF Cluster

None

## Protection of Personal Information (POPI) Act, Act 4 of 2013

Yes

# Stakeholder Engagement

<https://loxtonwef.aidaform.com/stakeholder-engagement>

Tuesday, November 15, 2022 18:01 UTC

## What's your name?

Ingrid

Schöfmann

## Who do you represent?

Karoo Development Foundation

Trustee

## Your Email

[REDACTED]

## Your Mobile Phone Number

[REDACTED]

## Alternative Phone Number

[REDACTED]

## Your Postal Address

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## What is your interest in the projects?

Making sure socio-economic development of the area falls within sustainable parameters

## Do you have any comments or queries regarding the Loxton WEF Cluster

We would like more info on the water usage/requirements for the project as well as the where the construction team will be housed during construction. Loxton currently has serious water and sewerage infrastructure challenges as well as a housing shortage. The influx of construction teams will challenge the local environment and we do not want for Loxton what happened in Sutherland: increase in drug abuse, increase in crime, increase in prostitution.

## Protection of Personal Information (POPI) Act, Act 4 of 2013

Yes

**From:** Lydia Kutu <[REDACTED]>  
**Sent:** Wednesday, 16 November 2022 10:00  
**To:** Ashlin Bodasing  
**Cc:** Bathandwa Ncube; EIAadmin; Salome Mambane  
**Subject:** 14/12/16/3/3/2/2236

**EXTERNAL MESSAGE**

Dear Sir/Madam

**ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FORM AND DRAFT SCOPING REPORT FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED LOXTON WIND ENERGY FACILITY 1, NEAR LOXTON, NORTHERN CAPE PROVINCE.**

The Department confirms having received the Application Form and Draft Scoping Report for Environmental Authorisation for the abovementioned project on 14 November 2022. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.

Kindly note that your application for Environmental Authorisation falls within the ambit of an application applied for in terms of Part 3 of Chapter 4 of the EIA Regulations, 2014, as amended. You are therefore referred to Regulation 21 of the EIA Regulations, 2014 as amended.

Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but **must** be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.

Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Kind Regards,  
Lydia Kutu  
Integrated Environmental Authorisations:  
Coordination, Strategic Planning and Support  
Tel: (012) 399 9370  
Email: [REDACTED]

*To God be the Glory!!!*

## Aneesah Alwie

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**From:** Bathandwa Ncube <[REDACTED]>  
**Sent:** Wednesday, 14 December 2022 17:20  
**To:** Ashlin Bodasing; LoxtonWEF@arcusconsulting.co.za; [REDACTED]  
**Cc:** Lydia Kutu; EIAAdmin; Salome Mambane; Ephron Maradwa; Masina Morudu  
**Subject:** 14/12/16/3/3/2/2236  
**Attachments:** 14-12-16-3-3-2-2236.pdf; Closure 2022-2023.pdf

You don't often get email from bncube@dfpe.gov.za. [Learn why this is important](#)

### EXTERNAL MESSAGE

Good day

Please find herein the attached letter for the above mentioned.

**Please do not respond to this mailbox with any queries related to the decision been issued. All queries on the attached decision must be directed to official whose contact details is listed as enquiries.**

I hope you find all in order.

Kind regards

**Ms Bathandwa Ncube**

Department of Forestry, Fisheries and the Environment (DFPE)

Integrated Environmental Authorisations

EAPASA Registration: 2021/3238

[REDACTED]  
[REDACTED]



## forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA 0001· Environment House 473 Steve Biko Road, Arcadia, · PRETORIA

DFFE Reference: 14/12/16/3/3/2/2236

Enquiries: Ms Bathandwa Ncube

EAPASA Registration: 2021/3238

Telephone: [REDACTED] E-mail: [REDACTED]

Ms Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
240 Main Road  
1st Floor Great Westerford  
**RONDEBOSCH**  
Cape Town  
7700

Telephone Number [REDACTED]

Email Address : [REDACTED] / [LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za)

**PER MAIL / E-MAIL**

Dear Ms Bodasing

### **COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED LOXTON WIND ENERGY FACILITY 1, NEAR LOXTON, WITHIN THE UBUNTU LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE**

The Application for Environmental Authorisation and Draft Scoping Report (SR) dated November 2022 and received by the Department on 14 November 2022, refer.

This letter serves to inform you that the following information must be included to the Final Scoping Report:

#### **Application form**

1. Activity 11 of Listing Notice 1 (as amended): The description of project activity for this activity refers to a powerline, which is not part of this application. Activities applied for in the application form and the SR, as well as their descriptions, must be the same and correct.
2. If the activities applied for in the application form differ from those mentioned in the final SR, an amended application form must be submitted with the final SR.

#### **Specialist Assessments**

3. Page 4 of the meeting minutes of the pre-application meeting held on 26 October 2022 refers to the undertaking of a Wake Effect Analysis, however this study is not included in the Specialist Plan of Study (PoS).
4. Page 29 of the draft SR indicates that a Geotechnical Assessment is required but will not be undertaken as part of the EIA process. All required specialist studies must be conducted as part of the EIA process. Due to the development design constraints indicated, a desktop Geotechnical Assessment must be included as part of the Specialist PoS.

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5. You are requested to submit copies of signed Specialist Declaration of Interest forms (witnessed and signed by a Commissioner of Oaths) for all specialist studies conducted. The forms are available on Department's website (please use the Department template).
6. Please note that in terms of Government Notice No. 320 of 20 March 2020 (i.e. "the Protocols"), and Government Notice No. 1150 of 30 October 2020 (i.e. protocols for terrestrial plant and animal species), it is a requirement for specialists to be registered with the South African Council for Natural Scientific Professions (SACNASP) in their respective fields.
7. The Heritage Impact Assessment and Palaeontological Heritage Compliance Statement, which have been included as part of this SR, must be submitted to the South African Heritage Resources Agency (SAHRA) for comments, via the South African Heritage Resources Information System (SAHRIS).

### **Public Participation Process**

8. The Public Participation Process must be conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.
9. Comments must be obtained from this Department's Biodiversity Conservation Directorate. The contact details are as follows:
  - i. Biodiversity Conservation Directorate  
Attention: Mr. Seoka Lekota  
Email: [BCAdmin@dffe.gov.za](mailto:BCAdmin@dffe.gov.za)
10. Please ensure that all issues raised and comments received during the circulation of the draft SR from registered Interested and Affected Parties (I&APs) and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed and included in the final SR.
11. Copies of original comments received from I&APs and organs of state, which have jurisdiction in respect of the proposed activity are submitted to the Department with the Final SR.
12. Proof of correspondence with the various stakeholders must be included in the final SR. This must indicate that this draft SR has been subjected to 30 days public participation process, stating the start and end date of the PPP. Should you be unable to obtain comments, proof must be submitted to the Department of the attempts that were made to obtain comments.
13. All issues raised and comments received during the circulation of the draft SR from I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final SR, including comments from this Department, and must be incorporated into the Comments and Response Report (CRR).
14. The CRR report must be a separate document from the main report and the format must be in the table format as indicated in *Annexure 1* of this comments letter.
15. Comments from I&APs must not be split and arranged into categories. Comments from each submission must be responded to individually.
16. Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied *verbatim* and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to an I&AP's comments.
17. The attendance register and minutes of any meetings held by the Environmental Assessment Practitioner (EAP) with Interested and Affected Parties (I&APs) and other role players must be included in the final SR.
18. Provide photo evidence of on-site notices, including the names of landmarks and/or GPS coordinates (in degrees, minutes, and seconds) of their placements.
19. Please submit a full page of the newspaper(s) containing the advertisement, ensuring that the information in the advert is legible and that the name of the newspaper and date are visible.

5

## **General**

You are further reminded to comply with Regulation 21(1) of the NEMA EIA Regulations 2014, as amended, which states that:


*"If S&EIR must be applied to an application, the applicant must, within 44 days of receipt of the application by the competent authority, submit to the competent authority a scoping report which has been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority"*

You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the EIA Regulations 2014, as amended.

Further note that in terms of Regulation 45 of the EIA Regulations 2014, as amended, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



**Ms Millicent Solomons**

**Acting Chief Director: Integrated Environmental Authorisations**

**Department of Forestry, Fisheries and the Environment**

**Signed by: Mr. Vusi Skosana**

**Designation: Director: National Integrated Authorisations**

**EAPASA Registration Ref: 2019/92**

**Date: 13 December 2022**

cc:	Mr Unai Urtasun	Loxton Wind Facility 1 (Pty) Ltd	Email: [REDACTED]
	Mr Brian Fisher	Northern Cape DAEARD&LR	Email: [REDACTED]
	Mr Thembinkosi Zingange	Ubuntu Local Municipality	Email: [REDACTED]

**Annexure 1**

## 1. Format for Comments and Response Report:

Date of comment, format of comment name of organisation/I&AP,	Comment	Response from EAP/Applicant/Specialist
27/03/2021 Email Department of Forestry, Fisheries and the Environment: National Infrastructure Projects (Joe Soap)	Please record C&R trail report in this format  Please update the contact details of the provincial environmental authority	EAP: (Noted)The C&R trail report has been updated into the desired format, see Appendix K  EAP: Details of provincial authority have been updated, see page 16 of the Application form



**Aneesah Alwie**

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**From:** Michael [REDACTED]  
**Sent:** Tuesday, 29 November 2022 06:41  
**To:** LoxtonWEF@arcusconsulting.co.za  
**Subject:** Register

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**EXTERNAL MESSAGE**

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Good morning

Register me as interested and affected party.

Thank you.

Kind regards,  
Michael

# Stakeholder Engagement

<https://loxtonwef.aidaform.com/stakeholder-engagement>

Tuesday, November 29, 2022 18:29 UTC

## What's your name?

Christo & Caren

Venter

## Who do you represent?

Ourselves

Resident in Loxton

## Your Email

[REDACTED]

## Your Mobile Phone Number

[REDACTED]

## Alternative Phone Number

[REDACTED]

## Your Postal Address

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## What is your interest in the projects?

Concerned resident

## Do you have any comments or queries regarding the Loxton WEF Cluster

Concerned about influx of people on this small Karoo town; underground water levels being affected; noise pollution; roads being affected. All of this could also influence the tourism industry and the character of the town and region.

## Protection of Personal Information (POPI) Act, Act 4 of 2013

Yes



# Stakeholder Engagement

<https://loxtonwef.aidaform.com/stakeholder-engagement>

Tuesday, November 29, 2022 18:42 UTC

## What's your name?

Chris

Stuart

## Who do you represent?

Stuart on Nature

Director

## Your Email

[REDACTED]

## Your Mobile Phone Number

[REDACTED]

## Alternative Phone Number

[REDACTED]

## Your Postal Address

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## What is your interest in the projects?

We live in Loxton, and are zoologists/ecologists and are aware of the negative impacts of windfarms on environment and natural resources

## Do you have any comments or queries regarding the Loxton WEF Cluster

We have experience with wind farms in North America and Australia. There are many negative impacts of these developments. Not least the expected lifespan of these wind farms is some 20 years - there is no recycling value to these wind turbines and they are generally left to rot at the sites, creating pollution issues in the long term. We also object to wind farms because of the impact on bats and birds. Then there are issues during construction: vast amounts of water are needed for the development crews and mixing of tons of concrete at the sites. Loxton is a water-deprived area, the village and surrounds already suffer from insufficient water supply. On top of that the heavy equipment used in the construction of the wind turbines will negatively impact the already poor road infrastructure in the area. From past experience in other parts of the world, the companies that construct these wind farms leave the district with damaged roads and have no intention of fixing them. That is a fact.

## Protection of Personal Information (POPI) Act, Act 4 of 2013

Yes

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# Stakeholder Engagement

<https://loxtonwef.aidaform.com/stakeholder-engagement>

Tuesday, November 29, 2022 18:47 UTC

## What's your name?

Dinah

Groenewald

## Who do you represent?

Loxton Northern Cape RSA

pensioner

## Your Email

[REDACTED]

## Your Mobile Phone Number

[REDACTED]

## Alternative Phone Number

[REDACTED]

## Your Postal Address

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## What is your interest in the projects?

nothing at all BUT it is BAD BAD BAD

## Do you have any comments or queries regarding the Loxton WEF Cluster

Bad for our countryside and wildlife, birds, rabbits and water shortage in the KAROO

## Protection of Personal Information (POPI) Act, Act 4 of 2013

Yes

# Stakeholder Engagement

<https://loxtonwef.aidaform.com/stakeholder-engagement>

Tuesday, November 29, 2022 20:14 UTC

## What's your name?

Tania

Heurtaux

## Who do you represent?

Loxton

Resident

## Your Email

[REDACTED]

## Your Mobile Phone Number

[REDACTED]

## Alternative Phone Number

[REDACTED]

## Your Postal Address

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## What is your interest in the projects?

Interest & Affected Party

## Do you have any comments or queries regarding the Loxton WEF Cluster

Long term negative effects this project will have on the town's social and environmental structures .

## Protection of Personal Information (POPI) Act, Act 4 of 2013

Yes

## Aneesah Alwie

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**From:** Abrahams, Zakiya [REDACTED]  
**Sent:** Wednesday, 30 November 2022 09:42  
**To:** LoxtonWEF@arcusconsulting.co.za; Aneesah Alwie  
**Subject:** Loxton WEFs

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### EXTERNAL MESSAGE

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Hi Aneesah,

Please could you register myself as an I&AP for the Loxton projects and their associated infrastructure projects?  
Thank you.

Kind regards,

**Zakiya Abrahams**  
*Project Developer*

**WKN Windcurrent SA (Pty) Ltd**  
Reg nr: 2010/022616/07  
VAT nr: 4850258239

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

[www.wkn-windcurrent.co.za](http://www.wkn-windcurrent.co.za)



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## Aneesah Alwie

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**From:** LoxtonWEF@arcusconsulting.co.za  
**Sent:** Tuesday, 13 December 2022 15:12  
**To:** Peter Cloete  
**Subject:** RE: Loxton WEF (Farm Boundaries)  
**Attachments:** Loxton WEF Cluster.kmz

Dear Peter,

Thank you for your e-mail and interest in the project. As per your request, please find attached a KMZ which includes the boundaries of the proposed Loxton WEF 1 – 3 developments.

Public Participation Process (PPP) is being undertaken in accordance with the requirements of Section 24 (5) and Chapter 6 (41, 42, 43, and 44) of GN R. 326 of the NEMA, 1998 EIA Regulations, 2014 (as amended) and the Western Cape Department of Environmental Affairs & Development Planning (DEA&DP) Guideline on Public Participation (2011). The [Draft Scoping Reports](#) are available for a 30 day comment period from **14 November 2022 until 14 December 22 (both days inclusive)**. Please ensure that you have submitted your comment before the close of the comment period should you wish to have your input considered in the submission of the Final Scoping Report.

Thank You

Kind Regards

**Ashlin Bodasing**  
Registered EAP and Technical Director

Tel: +27 10 596 3495  
Email: [loxtonwef@arcusconsulting.co.za](mailto:loxtonwef@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

---

**From:** Peter Cloete <[REDACTED]>  
**Sent:** Tuesday, December 13, 2022 12:09 PM  
**To:** LoxtonWEF@arcusconsulting.co.za  
**Subject:** Loxton WEF (Farm Boundaries)

You don't often get email from [peter.denc87@gmail.com](mailto:peter.denc87@gmail.com). [Learn why this is important](#)

### EXTERNAL MESSAGE

Dear Ashlin

My name is Peter Cloete. I am the District Ecologist responsible for providing comments on Renewable Energy Developments EIA's in the Northern Cape. Herewith I would like to request Kml/kmz files of the farm boundaries for the Proposed Loxton WEF 3- development that is currently out for comments.

I hope you can assist me in this matter

Kind regards

Mr. Peter Cloete (Pr. Sci. Nat.)  
Production Scientist: Grade A: District Ecologist  
Northern Cape Department Agriculture, Environmental Affairs, Rural Development and Land Reform  
C/O Voortrekker and Magasyn Street



## Aneesah Alwie

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**From:** Elsabe Swart [REDACTED]  
**Sent:** Wednesday, 14 December 2022 11:33  
**To:** LKutu@dfpe.gov.za; SDlamini@dfpe.gov.za; Bryan Fisher; Bryan Fischer  
**Cc:** TMakaudi; LoxtonWEF@arcusconsulting.co.za; Pieter Cloete  
**Attachments:** PC- Loxton WEF 3\_ES.pdf

You don't often get email from elsabe.dtec@gmail.com. [Learn why this is important](#)

### EXTERNAL MESSAGE

Dear Kutu / Dlamini

Attached herewith, please find comments and recommendations from the Northern Cape's Namaqualand District Ecologist.

Please do not hesitate to contact Peter Cloete if you need any further information and/or clarifications.

Festive Greetings and safe travels to you.

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Regards  
Elsabè

E SWART  
SCIENTIFIC MANAGER GR B: ENVIRONMENTAL RESEARCH AND DEVELOPMENT  
Pr.Sci.Nat.

Department of Agriculture, Environmental Affairs, Rural Development and Land Reform  
Private Bag X6102  
Kimberley  
8300

Permit office, Kimberley: - [dencpermits@gmail.com](mailto:dencpermits@gmail.com) / 053 807 7300/ 081 463 4839 Permit forms:  
<https://docs.google.com/document/d/1YEmVt4YHNfljnodXqmwTa3O10iIka3fs7PRk0GiZXXs/pub>  
<http://daerl.ncpg.gov.za/intranet>

[REDACTED]  
[REDACTED]  
[REDACTED]

Date:	13/012/2022	Reference:	DFEE Reference to be confirmed
To:	Mrs. Lydia Kutu at <a href="mailto:LKutu@dfef.gov.za">LKutu@dfef.gov.za</a> and Ms. Samkelisiwe Dlamini at <a href="mailto:SDlamini@dfef.gov.za">SDlamini@dfef.gov.za</a>	From:	P. Cloete
Comments on the Draft Scoping Report for the Loxton WEFs, within the Ubuntu Local Municipality and the Pixley Ka Seme District Municipality in the Northern Cape Province			

Attention: Mrs. Lydia Kutu / Ms. Samkelisiwe Dlamini

(cc the EAP, Ashlin Bodasing as part of ARCUS ERM at [LoxtonWEF@arcusconsulting.co.za](mailto:LoxtonWEF@arcusconsulting.co.za) )

Dear Ms. Dlamini / Mrs. Kutu

The applicant, Loxton Wind Facility 3 (Pty) Ltd is proposing the development of a commercial Wind Energy Facility (WEF) and associated infrastructure on a ca. 11 700 ha site located approximately 10 km east of Loxton within the Ubuntu Local Municipality and the Pixley Ka Seme District Municipality in the Northern Cape Province. Two additional WEFs are concurrently being considered on the surrounding properties and are assessed by way of separate impact Assessments. These projects are known as Loxton WEF 1 and Loxton WEF 2. Loxton WEF 3 will comprise of up to 41 turbines, with a contracted capacity of up to 240MW with a permanent footprint of up to 65 ha.

1. The applicant is reminded of its general duty of care and the remediation of environmental damage in terms of section 28(1) of the NEMA which specifically states that: “...**Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment...**”
2. The development of the Loxton Wind Energy Facility is likely to result in a variety of impacts, associated largely with the disturbance, loss and transformation of intact vegetation and fauna habitat during construction.
3. The development also falls within a CBA 1 and CBA 2. The footprint of the Loxton 1 WEF within CBAs would be less than 5 ha and is not considered significant, while the Loxton 2 WEF would have a footprint within CBAs of approximately 35 ha. The footprint of the Loxton WEF 3 within CBAs would be as much as 65 ha. Thus, the cumulative impact of the three Loxton WEFs on CBAs would be approximately 105 ha, which is regarded significant.



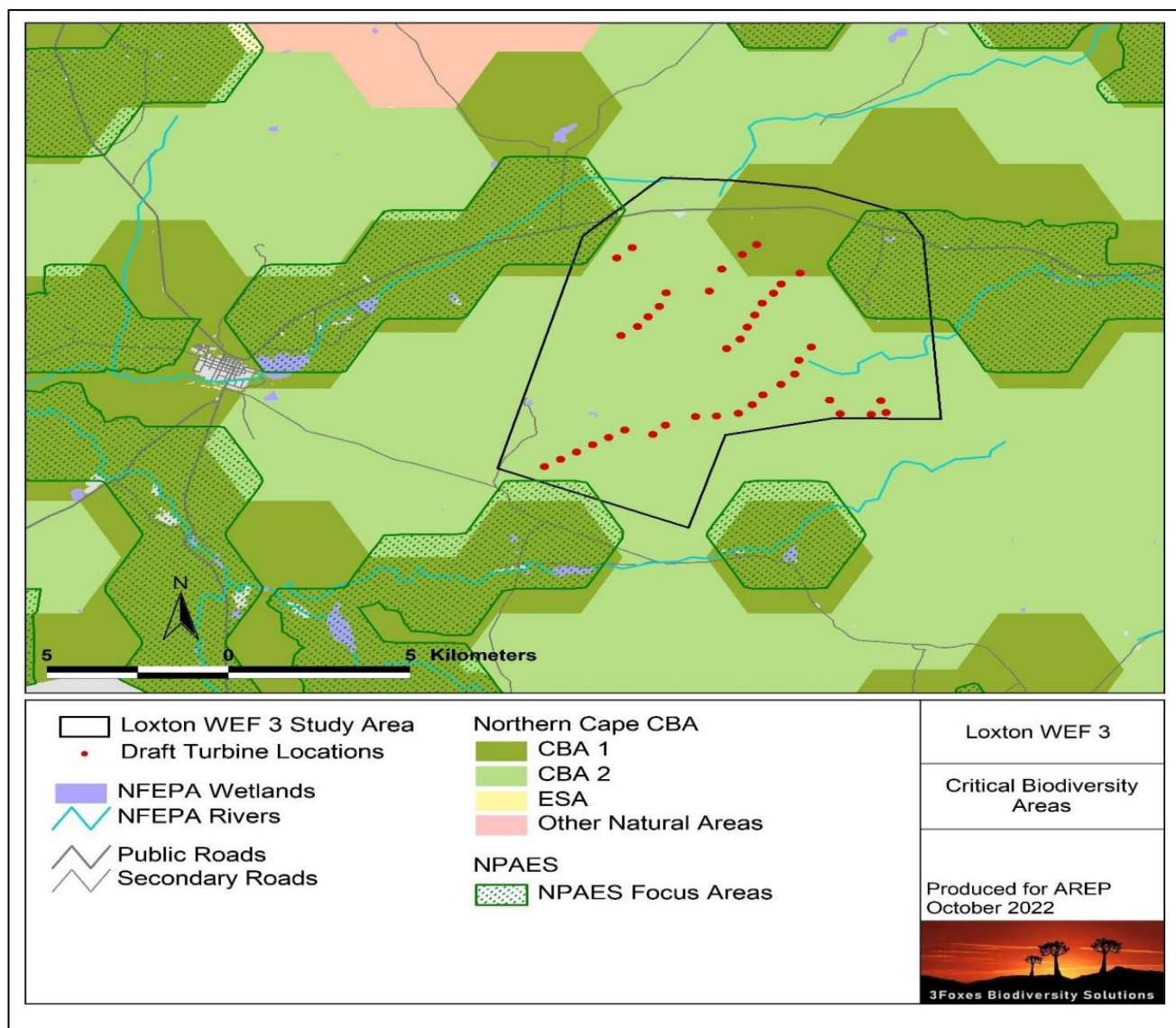


Figure 1. Extract of the Northern Cape CBA map for the study area, showing that the whole of the site falls within a CBA.

4. The presence of drainage lines, dolerite hills and localised habitats of the Riverine Rabbit and Karoo Dwarf Tortoise are important features which appears the selection of these areas as CBA's. In terms of specific cumulative impacts, impacts on the Riverine Rabbit and Karoo Dwarf Tortoise is a concern. Species impacts (specifically rabbits and hares) must be assessed through compounding impacts of the development and the current Rabbit Haemorrhagic Disease (RHD) breakout in the area.

Further to the above, if the proposed WEF is likely to have an unacceptable Medium – High negative impact on broad-scale ecological processes and habitat quality for sensitive species, prior to mitigation the need for a biodiversity offset assessment will be a requirement. It is clear that the Loxton WEF 3 would generate a significantly higher impact on CBAs and given that the affected area within the Loxton WEF 3 is considered more sensitive than the habitats within either the Loxton 1 WEF or Loxton 2 WEF, the Loxton WEF 3 seem

to trigger an offset needs-analysis towards assessing whether the cumulative impact is acceptable (all three developments on CBAs). The potential of a biodiversity offset must be guided by the recent published National Draft Biodiversity Offset Guideline, CBA map and Provincial Protected Area expansion strategy. Thus, quantifying impacts to base expected impacts on species vs the distance over which turbine noise and other disturbances effects are crucial for the assessment process.

5. It is likely that the turbine foundations and some roads would require blasting which would generate dust and debris fallout at or near sensitive sites. It is a concern that dust fall out predictions was not factored in the EMPr. Monitoring and implementation of dust control measures are essential and should be ongoing for the duration of construction activities. The EMPr must provide more information on what the dust abatement measures alluded to will entail. The generation of dust must comply with the National Dust Control Regulations (GN No. R. 827 of 1 November 2013), promulgated in terms of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004).
6. There are however no turbines from any of the Loxton WEFs that lie within NPAES Focus Areas, with the result that direct impacts on future conservation expansion in the area would be low. A point to consider is, that if a biodiversity offset is triggered through this development, the like-for-like principle would apply. Therefore, this would influence the NPAES Focus Areas in the landscape as more land will be proclaimed as protected areas in the landscape.
7. Although the proposed wind turbines will result in several negative impacts, based on the information provided, it is apparent that significant impacts on the receiving environment can also be attributed to the associated infrastructure, especially the access roads and power lines. As such, it is essential that all mitigation measures proposed by the various specialists relating to the proposed wind energy facility (WEF) and its associated infrastructure, are carried through into the Environmental Management Programme (EMPr) and implemented accordingly. Further to the above, with respect to roads specifically, existing roads should be utilised as far as possible, and new roads that require construction, should be kept to a minimum. Please note that due consideration should be given to re-routing the preferred access road route to avoid impacting on heritage and freshwater features. The preferred location alternatives of the mentioned components of the proposed development must be aligned in accordance with the recommendations and mitigation measures of all specialists.



8. The proposed buffer zones and “no-go” areas, as detailed in the Draft Scoping Report and delineated by the specialists, must always be respected. The proposed construction camp and concrete-batching plant must be located outside areas and buffers identified as highly sensitive as recommended in the specialist reports.
9. It is noted that there are confirmed bat roosts within the proposed Loxton WEF. DAERL supports the recommendation in the Draft Scoping Report that no wind turbines, electrical infrastructure, substations or new roads may be permanently placed within a 500 m buffer of the confirmed roosts. The environmental assessment practitioner (EAP) is reminded to include all documentation relating to the public participation process, as well as all representations and comments received and any responses by the EAP to those representations and comments.

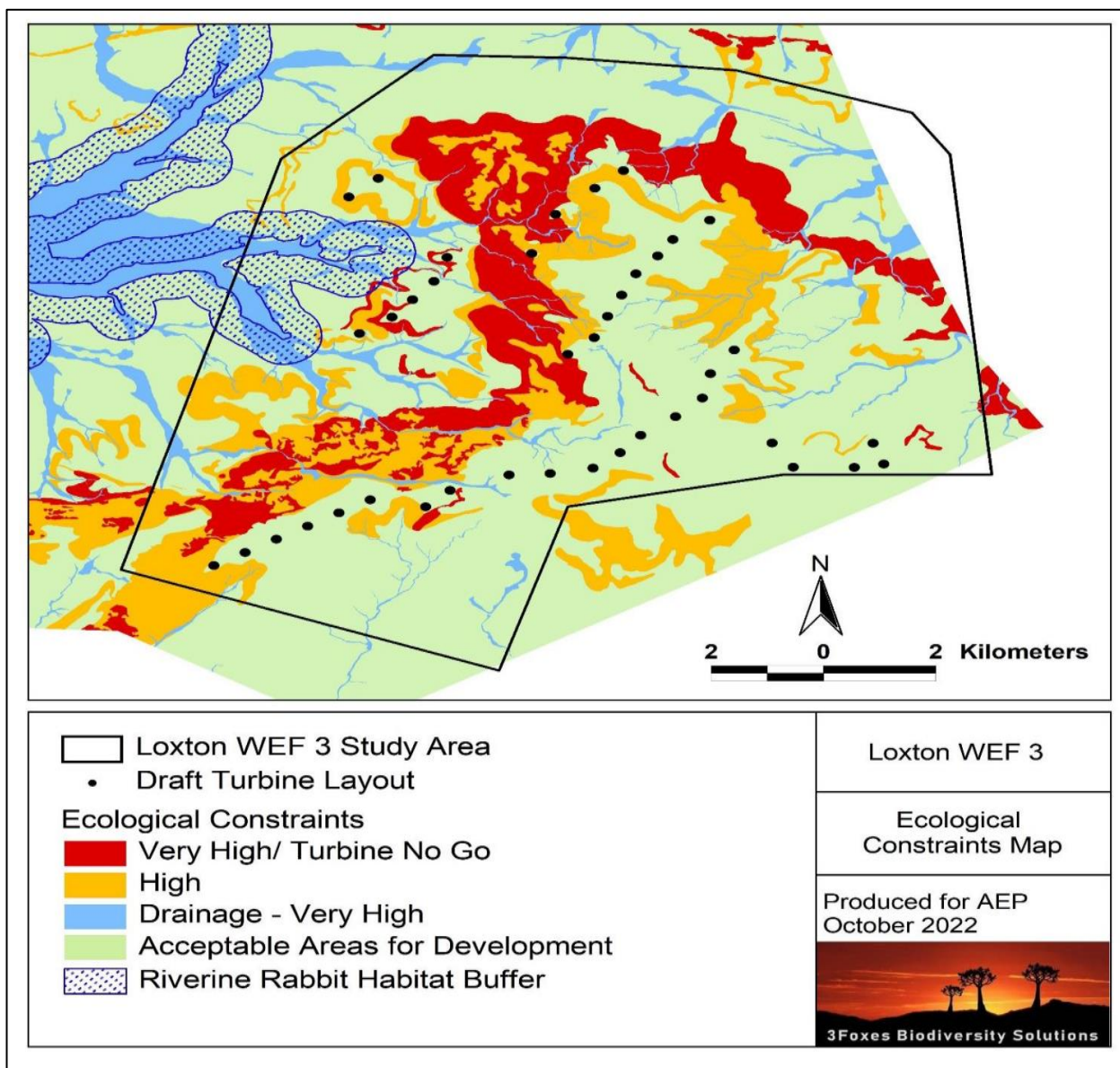


Figure 2. Ecological constraints map for the Loxton Wind Energy Facility 3 project area.

10. In addition to bird and bat mortality monitoring, the EMPr must provide remedial measures to be implemented in the event of bird and bat mortalities, as these may be vectors for the spread of avian disease and contamination of the affected environment. The potential impacts of the WEFs' development on agriculture production require further investigation. A further complication is that since the landowner is not the applicant, some of the mitigation measures require agreement from the landowner. For example, some birds are attracted to feed bins that the farmer place in the field for sheep and this could cause increased risk of bird mortalities due to collision/strikes. Should this become a problem, the landowner may be required to cease this activity and may need to be compensated for any loss required as a result. Agreements will need to be put in place prior to final impact documentation submission and EA consideration.
11. The following suggested additional technology alternatives are provided. Please indicate through technical comparisons whether these suggestions are feasible and implementable:
- The use of blade illumination (brightly coloured blades) to deter birds;
  - The use of radar technology to detect birds within proximity of the wind turbines; and
  - The use of ultrasonic acoustics to deter birds from coming within proximity of the wind turbines.
12. The following aspects must form part of the EMPr and negotiations with the farm owner:
- Restricted grazing of the specified area(s); none in the early years in the spring flowering season.
  - Annual management of alien vegetation.
  - Removal of sheep feed bins locally, to avoid attracting Red Larks etc too near to turbines.
  - Detailed survey and botanical assessment of the area(s) to be managed.
13. In terms of the Site Sensitivity Verification, the following outcomes are required to inform the EIA phase of the development:
- Biodiversity Offset Assessment
  - Plant Compliance Statement
  - Riverine Rabbit Species Assessment
  - Karoo Dwarf Tortoise Species Assessment

- Terrestrial Biodiversity Assessment

We trust you will find these recommendations in order.

Please do not hesitate to contact Peter Cloete should you have any questions or need clarity on any aspect.

A handwritten signature in black ink, appearing to read 'Peter Cloete'. The signature is written in a cursive, flowing style.

District Ecologist: Research and Development

E SWART

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SCIENTIFIC MANAGER GR B: RESEARCH AND DEVELOPMENT SUPPORT  
14/12/2022