

**APPENDIX C8**  
**MINUTES OF MEETINGS**

**ENVIRONMENTAL IMPACT ASSESSMENT AND  
PUBLIC PARTICIPATION PROCESSES  
FOR THE  
GREAT KAROO CLUSTER OF RENEWABLE ENERGY  
FACILITIES NEAR RICHMOND, NORTHERN CAPE  
PROVINCE**

**DFFE Reference Numbers:**

Angora Wind Farm:	14/12/16/3/3/2/2113
Merino Wind Farm:	14/12/16/3/3/2/2114
Nku Solar PV:	14/12/16/3/3/2/2115
Moriri Solar PV:	14/12/16/3/3/2/2116
Kwana Solar PV:	14/12/16/3/3/2/2118

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**MEETING NOTES OF KEY STAKEHOLDER WORKSHOP  
HELD ON TUESDAY, 23 NOVEMBER 2021 AT 11:00  
VENUE: MICROSOFT TEAMS, VIRTUAL MEETING**

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**Notes for the Record prepared by:**

Nicolene Venter

**Savannah Environmental (Pty) Ltd**

**E-mail: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)**

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.  
Please address any comments to Savannah Environmental at the above address*

## GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES NEAR RICHMOND, NORTHERN CAPE PROVINCE

### MEETING ATTENDEES

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Name	Position
<b>Agri Northern Cape</b>	
Eben Anthonissen	Environmental Committee
<b>Air Traffic &amp; Navigation Services</b>	
Simphiwe Masilela	Obstacle Evaluator
<b>Department of Forestry, Fisheries and the Environment: Directorate Biodiversity Conservation</b>	
Portia Makitla	Mainstreaming EIA
Aulicia Maifo	Mainstreaming EIA
<b>Northern Cape Provincial Authority</b>	
Babalwa Mbobo	Renewable Energy Specialist (attended in private capacity)
<b>South African Civil Aviation Authority</b>	
Zwelithini Vilakazi	Inspector: PANS-OPS & Cartography
Gugulethu Khanyile	
<b>South African Weather Services</b>	
Zamikhaya Magogotya	Radar Specialist
Puseletso Mofokeng	Snr Forecaster (attended in private capacity)
<b>Attendees: Unknown Affiliation and not formally registered on MS Teams Conversation Platform</b>	
Doris Khoza	
<b>Great Karoo Renewable Energy (Pty) Ltd</b>	
Romaya Dorasamy	Developer
<b>Savannah Environmental</b>	
Mmakoena Mmola	Environmental Assessment Practitioner
Nicolene Venter	Public Participation and Social Consultant

### APOLOGIES

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Willem Symington: Agri Northern Cape  
Lizel Stroh: South African Civil Aviation Authority  
Bernard Petlane: South African Weather Services

The list of invitees and the Attendance Record is attached as **Appendix A** to the workshop notes.

### PRESENTATION

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Nicolene Venter welcomed the attendees at the Key Stakeholder Workshop (KSW) and thanked them for their attendance.

Mmakoena Mmola presented the following:

- project description for the proposed Great Karoo Cluster of Renewable Energy Facilities;
- the Scoping Phase and public participation processes followed to date;
- the environmental studies undertaken;

- summary of the key environmental results as documented in the various Scoping Reports; and
- Plan of Study for the Environmental Impact Assessment (EIA) Phase.

Nicolene Venter informed the attendees that it is important to note that the public participation process is an ongoing process and commences when site notices are erected at the various development sites and with the distribution of the Background Information Document (BID) and is not limited to the 30-day review and comment period of the various Scoping Reports. The public participation process is only concluded once registered Interested and Affected Parties are notified of the Department of Forestry, Fisheries and the Environment's (DFFE) decision to issue Environmental Authorisations for the projects.

She ended the presentation by providing the way forward on the EIA and consultation process.

The presentation is attached as **Appendix B** to the meeting notes.

## DISCUSSION SESSION

Question / Comment	Response
<b>Zamikhaya Magogotya</b>	
Informed the project team that there would be no interference with the South African Weather Services (SAWS) as the closest radar to the proposed developments is located in De Aar, which is approximately 80km in line of sight to the radar, and as such, the SAWS does not have any issues with the proposed developments and will not be submitting any written comments on the Scoping Reports.	Nicolene Venter thanked Mr Magogotya for the information shared with the project team and stated that it is noted that no written comments would be received from the SAWS.
<b>Portia Makilla</b>	
Informed the project team that the Biodiversity Conservation Directorate would like to put forward this comment:	Nicolene Venter acknowledged the comment that the DFFE: Biodiversity Conservation Directorate does not support the development of infrastructure within areas of high and very ecological sensitivity.
<ul style="list-style-type: none"> <li>• Stated that it was noted from the presentation that the site will affect areas of high and very high ecological sensitivity, and that the Biodiversity Conservation Directorate is not in support on any development infrastructure in very high sensitivity areas. Asked whether it would be possible to mitigate impacts on high sensitivity areas to an acceptable level (i.e., medium – low)?</li> </ul>	<p>Mmakoena Mmola responded as highlighted already, the aim of the scoping phase is for the specialists to identify sensitivities within the different development areas based on desktop studies and in-field assessments.</p> <p>The purpose of identifying these sensitivities is so that they may inform the final layout. There is no facility layout at this stage of the process, but a layout will be determined using the identified sensitivities and presented in the EIA Phase.</p>

	<p>In designing the layout, the developer will ensure that no infrastructure falls within areas deemed as being of very high and high sensitivity, as well as no-go zones. Where sensitive areas cannot be avoided, specifically areas rated as being of medium sensitivity, mitigation measures will be proposed for implementation during construction and operations to minimize the impact significance on these features.</p>
<ul style="list-style-type: none"> <li>• Stated that it was also noted from the presentation that there are no buffer zones recommended around the CBA 1 and other sensitive areas. Asked why the specialist did not recommend any buffer zones around these areas, and whether buffer zones around the CBA 1 and other sensitive features will be recommended in the Final Scoping Reports or the EIA Reports?</li> </ul>	<p>Mmakoena Mmola responded that the Ecological Specialist has not specifically recommended buffers around sensitive features at this stage of the process. She also stated that the specialist highlighted that the sensitive features they identified are most likely they same as the sensitive features identified by the Freshwater specialists and that any buffer zones recommended from a freshwater perspective would also be applicable from an ecological perspective.</p>
<p>Asked that Savannah Environmental, when drafting the final Scoping Reports, I consider the contents of the Revised Best Practice Renewable Energy Guideline for EIAs.</p>	<p>Mmakoena Mmola confirmed that the team will take the Guideline into consideration when drafting the final Scoping Reports.</p>
<p><b>Eben Anthonissen</b></p>	
<p>Informed the project team that reference was made to invasive plant species in the presentation, and it was asked what type of plant species these would be, and what would be implemented in order to manage the volume of such invasion.</p>	<p>Mmakoena Mmola replied that the list of species can unfortunately not be listed at the workshop but the information is available in the ecological report which is appended to the Scoping Report.</p> <p>She added that when compiling the Environmental Management Programme (EMPr) during the EIA Phase, a recommendation that the developer should develop an Alien Invasive Management Programme for implementation during construction and operations will be included.</p>
<p>Indicated that they are almost certain that there would be Water Use License application lodged for these projects and asked where water will be sourced for the projects (i.e., groundwater or surface water) and the process with regard to that.</p>	<p>Mmakoena Mmola responded that the requirement for a Water Use Authorisation would most likely be triggered by the fact that the project infrastructure falls within the 500m regulated area from the boundary of wetland features. Therefore, at this stage of the process, the water uses likely to be triggered by the proposed projects are Section 21(c) and (i) water uses.</p>

	<p>She added that water for the construction and operation phases will be supplied by the municipality. In addition, where possible, borehole water will be used. Should water availability at the time of construction be limited, water will be transported to site via water tanks. Water will be used for sanitation and potable water on site as well as construction works. It is therefore not foreseen that Section 21(a) of the National Water Act will be triggered by these projects.</p>
<p>Indicated that the area proposed to be developed is large and that the projects will be in a high security area. Asked whether there will be any interaction with the various landowners with regard to the management of predator species on smaller livestock or whether there will be plans and SOPs being implemented to assist in managing these predator species.</p> <p>Mentioned that this impact would also have a socio-economic impact on landowners and must be addressed by the specialist.</p>	<p>Romaya Dorasamy replied that they are in regular consultation with the directly affected and adjacent landowners and the security matter per site will be addressed in a phased approach as the projects will most likely not be constructed at the same time.</p> <p>Mmakoena Mmola acknowledged the question relating to the impact of predator species on smaller livestock, and it was agreed by Mr Anthonissen that information can be requested from the ecology and socio-economic specialists and included as a post-meeting note in the workshop notes.</p> <p><b><u>Post-meeting note:</u></b></p>
<b>Babalwa Mbobo</b>	
<p>It was mentioned that the Local Municipality's LED Officers are generally not informed of projects of this nature and the socio-economic impacts associated with these projects.</p>	<p>Nicolene Venter responded that a FGM with the Local Municipality is scheduled for Tuesday, 23 November 2021 at 14h00 and that two (2) officials, of which the Acting Municipal Manager is one, accepted the invitation.</p>
<p>It was mentioned that during the announcement of preferred bidders for Round 5 that the Northern Cape Province electricity grid network is saturated and cannot accommodate any further developments.</p>	<p>Romaya Dorasamy replied that these proposed projects form part of the Hybrid Cluster Grid which has capacity for 2000MW. The capacity might be slightly less after Round 5 allocations, but there should be capacity available to accommodate the 500MW or so that will be produced by these projects.</p>
<p>It was asked whether the developer is in consultation / discussions with Eskom regarding capacity on their network.</p>	<p>Romaya Dorasamy responded that meetings were held with Eskom and there is an initial agreement in place.</p>
<b>Eben Anthonissen</b>	
<p>It was asked that should the applications for Environment Authorisation be successful, and construction activities be completed, would</p>	<p>Mmakoena Mmola responded that the EMP normally includes a recommendation that an ECO should be appointed for the construction phase. The EMP also states the frequency of</p>

<p>an ECO be appointed following commissioning of the facilities?</p>	<p>audits, i.e., whether the ECO should be on site full-time, or conduct inspections weekly, or monthly. The frequency of audits will be determined during the EIA Phase.</p> <p>The EA issued for a project also states as one of the conditions that an ECO must be appointed for the duration of construction and it also details the frequency of audits.</p> <p>For the operational phase, there will be an EO on site, not an ECO. Mmakoena added that it is to her understanding that the contractor appointed to operate the facility will have an EO, and this EO will oversee implementation of the EMPr.</p> <p>Romaya Dorasamy added that service providers such as Savannah Environmental, who outsource ECOs, will be appointed to undertake ECO work.</p>
<p><b>Portia Makilla</b></p>	
<p>It was enquired that taking the size of the project sites, is a site inspection, prior to the issuing of the EA, planned, and if so, how many days would be required?</p>	<p>Mmakoena Mmola responded that the DFFE Case Officers have not yet requested a site inspection, but should such a request be submitted, the team would make the necessary arrangements and it is envisaged that a minimum of two (2) days and a maximum of three (3) days would be required.</p>
<p>Who are the DFFE Case Officers for these projects?</p>	<p>Mmakoena Mmalo replied that e-mail acknowledgements of the Applications were received and that the information would be provided as post-meeting notes in the workshop notes.</p> <p><b>Post-meeting note:</b></p> <ul style="list-style-type: none"> <li>• Angora Wind Farm (DFFE Ref: 14/12/16/3/3/2/2113) Herman Alberts or Salome Mambane</li> <li>• Merino Wind Farm (DFFE Ref: 14/12/16/3/3/2/2114) Herman Alberts or Salome Mambane</li> <li>• Nku Solar PV (DFFE Ref: 14/12/16/3/3/2/2115) Herman Alberts or Salome Mambane</li> <li>• Moriri PV (DFFE Ref: 14/12/16/3/3/2/2116) Thabile Sangweni or Salome Mambane</li> <li>• Kwana PV (DFFE Ref: 14/12/16/3/3/2/2118) Thabile Sangweni or Salome Mambane</li> </ul>
<p><b>Romaya Dorasamy</b></p>	
<p>As a closing statement, the attendees were thanked for their valuable inputs at the KSW.</p>	

## WAY FORWARD AND CLOSURE

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Nicolene Venter asked whether there were any other environmental-related comments that the attendees would like to raise before closing the KSW officially. It was noted by all attendees that no further comments needed to be raised at this time. She informed the attendees that they can submit any further written comments via e-mail, and she reminded the attendees that the Scoping Reports' commenting period is ending on Monday, 13 December 2021 and that it would be appreciated if written comments can be received before or on the 13<sup>th</sup> of December 2021. The attendees were also informed that should they not have any written comments, they can also email or send a formal letter stating that the reports were reviewed, and no comments would be submitted.

She thanked the participants for making time to attend the KSW and for their valuable inputs into the EIA and public participation process.

The workshop was closed at 12h15

### LIST OF ABBREVIATIONS AND ACRONYMS

BID	Background Information Document	EMP	Environmental Management Programme
CBA	Critical Biodiversity Area	FGM	Focus Group Meeting
DFFE	Department of Forestry, Fisheries and the Environment	LED	Local Economic Development
DWS	Department of Water and Sanitation	WUL	Water Use License
EA	Environmental Authorisation	REIPPP	Renewable Independent Power Producer Programme
ECO	Environmental Control Officer	SAWS	South African Weather Services
EO	Environmental Officer		



Total Number of Participants	14
Meeting Title	GREAT KAROO RENEWABLE ENERGY CLUSTER: Key Stakeholder Workshop
Meeting Start Time	11/23/2021, 10:39:06 AM
Meeting End Time	11/23/2021, 12:16:43 PM
Meeting Id	707726a5-31f2-4bcc-bf6e-cc714115bb38

ATTENDEES
Nicolene Venter
Mmakoena Mmola
Eben Anthonissen
Zamikhaya Magogotya
Romaya Dorasamy
Portia Makitla
tshift
Zwelithini Vilakazi
Babalwa Mbobo
Aulicia Maifo
Doris Khoza
Gugulethu Khanyile
Babalwa Mbobo
Simphiwe Masilela

## GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES

### NORTHERN CAPE PROVINCE

Key Stakeholder Workshop  
Tuesday, 23 November 2021



## AGENDA

- Welcome and Introduction
- Meeting Conduct
- Purpose of the Meeting
- Project Overview
- Scoping & Environmental Impact Assessment Process
- Key Environmental Findings
- Way Forward
- Discussions



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## MEETING CONDUCT

- Recording of the meeting
- Please stay on mute during the presentation
- Register attendance on chat function (name, surname & affiliation)
- Equal opportunity
- Questions and comments can be submitted on the chat function during the presentation – team will respond after presentation
- Please hold all verbal questions until after the presentation
- Please raise your hand (virtual function) to ask a question and state your name



## PURPOSE OF THE MEETING

- Provide stakeholders & I&APs with an overview of the **Great Karoo Cluster of Renewable Energy Facilities (separate projects)**
- Summary of the **Scoping & Environmental Impact Assessment (EIA) & Public Participation** being undertaken
- Present a summary of the key environmental findings as documented in the respective **Scoping Reports**
- Provide stakeholders the opportunity to seek clarity regarding the projects and their respective environmental studies, as well as the opportunity to provide valuable input into/to inform the EIA process
- Obtain and record comments for inclusion in the submissions to DFFE

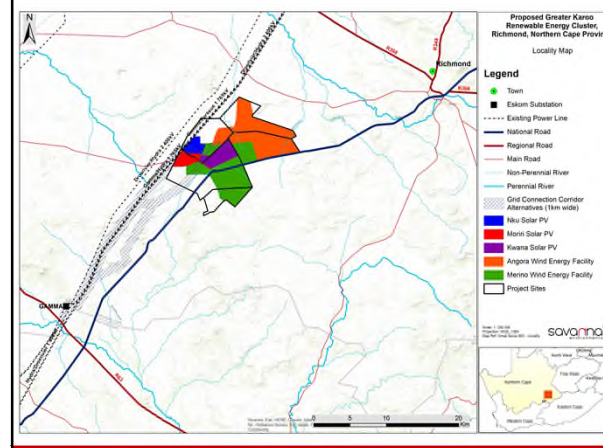


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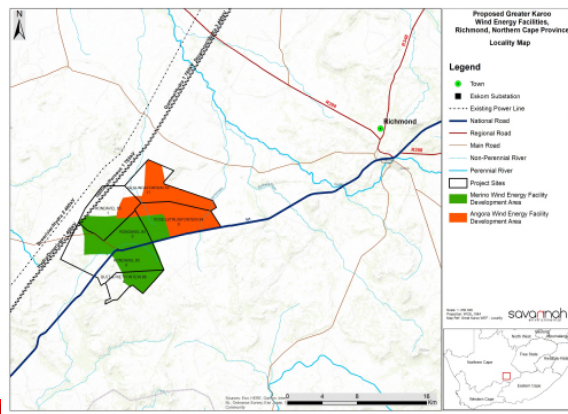
# PROJECT OVERVIEW (Mmakoena Mmola)

## COMBINED LOCALITY MAP



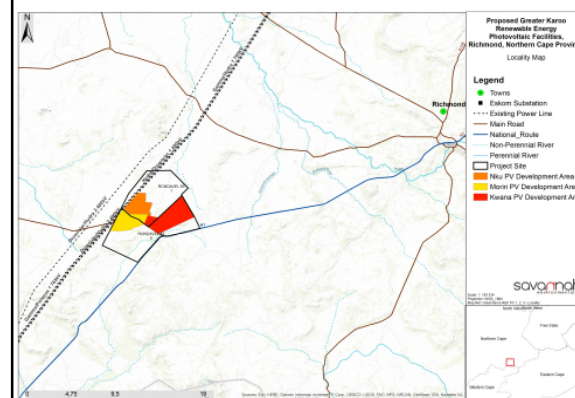
- Cluster of renewable energy facilities, which include three (3) 100MW Solar PV Facilities and two (2) 140MW Wind Energy Facilities
- Located ~35km south-west of Richmond and 80km south-east of Victoria West, within the Ubuntu Local Municipality and the Pixley Ka Seme District Municipality in the Northern Cape Province

## COMPONENTS OF THE ANGORA AND MERINO WIND FARMS



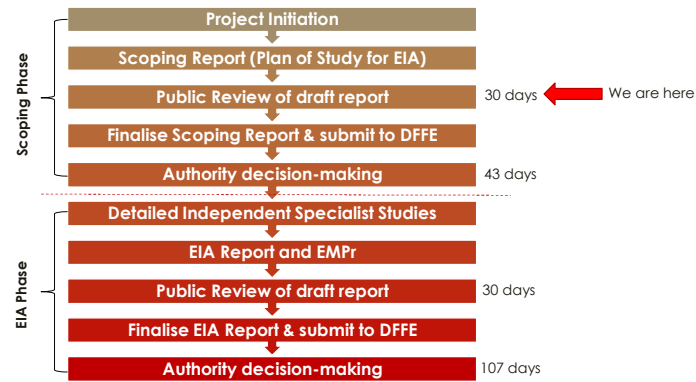
- Contracted capacity: 140MW
- Turbines:
  - Up to 45 turbines
  - Hub height of up to 170m
  - Tip height up to 250m
- Grid infrastructure:
  - 33/132kV onsite facility substation
  - 35kV underground cabling from the onsite substation to the 132kV collector substation
- Other infrastructure:
  - Foundations, hardstands, inverters and transformers, temporary laydown areas, temporary concrete batching plant, electrical and auxiliary equipment, Battery Energy Storage System, access roads and internal distribution roads, site offices, maintenance buildings, and workshop areas

## COMPONENTS OF THE NKU, MORIRI AND KWANA SOLAR PV FACILITIES



- Contracted capacity: 100MW
- Panels:
  - Number of panels to be determined in the EIA Phase
  - Panel height up to 5m
  - Fixed-tilt, single-axis tracking, and/or double-axis tracking PV technology
  - Monofacial or bifacial panels
- Grid infrastructure:
  - 33/132kV onsite facility substation
  - 35kV Underground cabling from the onsite substation to the 132kV collector substation
- Other infrastructure:
  - Inverters and transformers, cabling between the panels, electrical and auxiliary equipment, Battery Energy Storage System, laydown areas, access roads & internal distribution roads, site offices, maintenance buildings & workshop areas

## SCOPING & EIA PROCESS & PUBLIC INVOLVEMENT



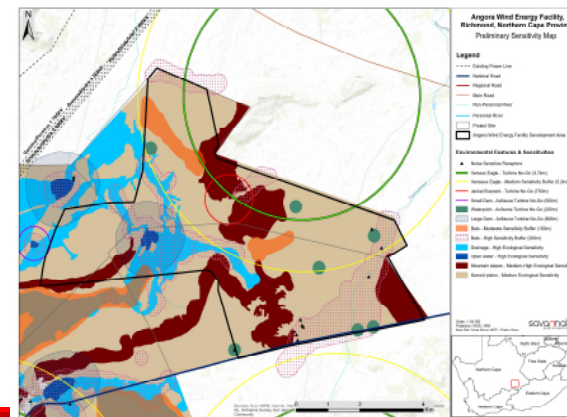
## APPROACH TO SCOPING

- Identification of issues – social and biophysical environment
- Potential sensitive areas identified through specialist desktop and in-field studies
- Design of appropriate facility layout to be informed by sensitive areas identified through the EIA process. The facility layout will be presented and considered in the EIA Phase
- A revised Application of the mitigation hierarchy (i.e., avoid, minimise, mitigate and offset)
- Any further micro-siting required to facility layout will be addressed in EIA Phase
- Prepare a Plan of Study for the EIA Phase

## SPECIALIST STUDIES

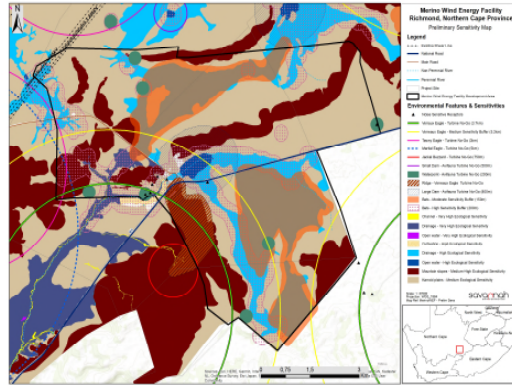
Specialist	Area of Expertise
David Hoare of David Hoare Consulting (Pty) Ltd	Ecology
Chris van Rooyen of Chris van Rooyen Consulting	Avifauna
Werner Marais of Animalia	Bats
Ivan Baker of the Biodiversity Company	Freshwater and Soils
Morné de Jager of Enviro-Acoustic Research	Noise
Lourens du Plessis of LoGIS	Visual
Tony Barbour of Tony Barbour Environmental Consulting	Social
Jenna Lavin of CTS Heritage	Heritage (including Archaeology Palaeontology and Cultural Heritage)
Iris Wink of JG Afrika	Traffic

## ENVIRONMENTAL SENSITIVITIES – ANGORA WEF



- Ecological features:
  - Site classified as an ESA.
  - Areas of very high and high ecological sensitivity were identified.
- Aquatic features:
  - Areas of very high sensitivity are aligned with the ESAs and watercourses.
  - The very high sensitivity areas, including the 45m buffer, are regarded as no-go areas.
- Bat buffers recommended:
  - 200m buffer recommended around high sensitivity features.
  - High bat sensitivity features regarded as no turbine zones.
  - 150m buffer recommended around medium sensitivity features.
  - Turbines allowed within medium sensitivity areas.
- Avifauna buffers recommended:
  - Large dams: 800m turbine no-go zone.
  - Boreholes: 200m turbine no-go zone.
  - Verreux's Eagle nest: 3.7km oil infrastructure no-go zone and 5.4km medium sensitivity zone.
  - Jackal Buzzard nest: 750m no-go zone.
- Noise sensitive developments were identified:
  - No wind turbines are to be developed within 160m and 500m from identified noise-sensitive developments.
  - No-go zones to be determined during the EIA Phase.

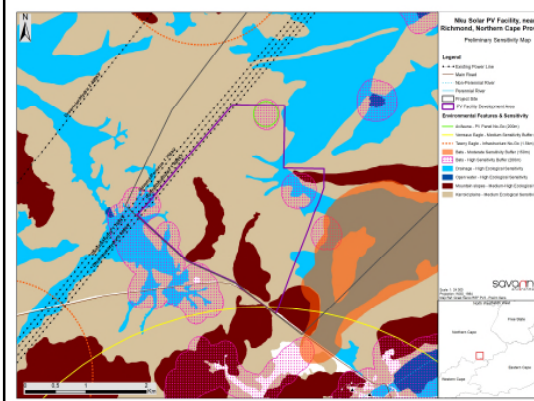
## ENVIRONMENTAL SENSITIVITIES – MERINO WEF



- Ecological features:
  - Site falls within CBA1.
  - Areas of very high and high ecological sensitivity were identified.
- Aquatic features:
  - Areas of very high sensitivity are attributed to the presence of wetlands, rivers, and priority area quinary catchments.
  - The very high sensitivity areas, including the 45m buffer, are regarded as no-go areas.
- Bat buffers recommended:
  - 200m buffer recommended around high sensitivity features.
  - High bat sensitivity features regarded as no turbine zones.
  - 150m buffer recommended around medium sensitivity features.
  - Turbines allowed within medium sensitivity areas.
- Avifauna buffers recommended:
  - Large dams: 800m turbine no-go zone.
  - Boreholes: 200m turbine no-go zone.
  - Varecuus's Eagle nest: 3.7km all infrastructure no-go zone and 5.4km medium sensitivity zone.
  - Tawny Eagle nests: 3km all infrastructure no-go zone.
  - Marial Eagle nests: 5km all infrastructure no-go zone.
- Noise sensitive developments were identified:
  - No wind turbines are to be developed within 160m and 500m from identified noise-sensitive developments.
  - No-go zones to be determined during the EIA Phase.

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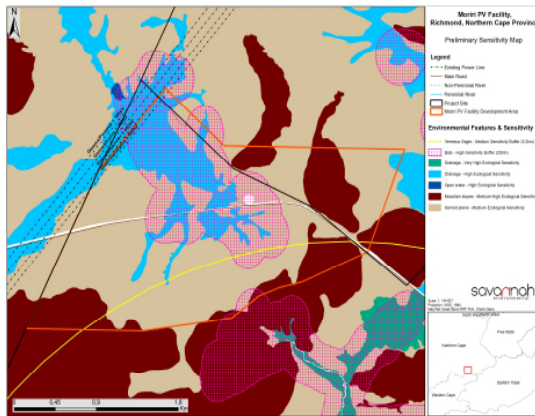
## ENVIRONMENTAL SENSITIVITIES – NKU PV



- Ecological features:
  - Site falls within Other Natural Areas.
  - Areas of high ecological sensitivity were identified.
- Aquatic features:
  - No natural wetland areas are expected for the Nku PV Facility.
  - In the event a watercourse is identified within the project area, a buffer width of 32 m for the construction and operation phases would be recommended.
- Bat buffers recommended:
  - 200m buffer recommended around high sensitivity features.
  - High bat sensitivity features regarded as no panel zone.
  - 150m buffer recommended around medium sensitivity features.
  - Panels allowed within medium sensitivity areas.
- Avifauna buffers recommended:
  - No specific environmental sensitivities were identified from an avifauna perspective, although the whole site is rated medium to high sensitivity due to the presence of suitable habitat for a Red List species, i.e. Ludwig's Bustard (SA Status: Endangered), which was also recorded during surveys.

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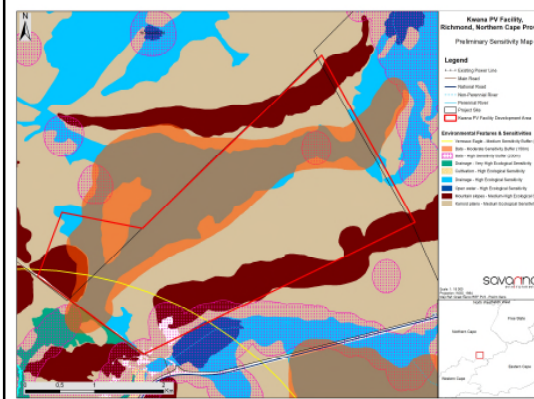
## ENVIRONMENTAL SENSITIVITIES – MORIRI PV



- Ecological features:
  - Site falls within Other Natural Areas.
  - Areas of high ecological sensitivity were identified.
- Aquatic features:
  - No natural wetland areas are expected for the Moriri PV Facility.
- Bat buffers recommended:
  - 200m buffer recommended around high sensitivity features.
  - High bat sensitivity features regarded as no panel zone.
  - 150m buffer recommended around medium sensitivity features.
  - Panels allowed within medium sensitivity areas.
- Avifauna buffers recommended:
  - Tawny Eagle nest: 1.5km all infrastructure no-go zone.

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## ENVIRONMENTAL SENSITIVITIES – KWANA PV



- Ecological features:
  - Site overlaps with a CBA1, but is predominantly classified as Other Natural Areas.
  - Areas of high ecological sensitivity were identified.
- Aquatic features:
  - No natural wetland areas are expected for the Kwana PV Facility.
- Bat buffers recommended:
  - 200m buffer recommended around high sensitivity features.
  - High bat sensitivity features regarded as no panel zone.
  - 150m buffer recommended around medium sensitivity features.
  - Panels allowed within medium sensitivity areas.
- Avifauna buffers recommended:
  - Surface zone: 200m solar panel no-go zone.
  - Tawny Eagle nest: 1.5km all infrastructure no-go zone.

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## ENVIRONMENTAL IMPACTS IDENTIFIED (all projects)

	Scoping of Issues
Impacts on Ecology (fauna & flora)	<ul style="list-style-type: none"> <li>• Direct loss of vegetation. The main impact on terrestrial ecosystems is due to road construction and not to the turbines themselves. The placement of roads is therefore critical in limiting impacts.</li> <li>• Loss, fragmentation, or degradation of faunal habitat.</li> <li>• Displacement of populations of mobile species.</li> <li>• Mortality of populations of sedentary species during construction.</li> <li>• Loss of indigenous natural vegetation during construction.</li> <li>• Loss of protected plants during construction.</li> <li>• Introduction and/or spread of declared weeds and alien invasive plants in terrestrial habitats.</li> </ul>
Impacts on Freshwater Features	<ul style="list-style-type: none"> <li>• Disturbance / degradation / loss to wetland soils or vegetation due to the construction of the facility and associated infrastructure, such as crossings.</li> <li>• Increased erosion and sedimentation, as well as the contamination of surface water resources.</li> </ul>
Impacts on Bats	<ul style="list-style-type: none"> <li>• Foraging habitat destruction.</li> <li>• Bat roost disturbance/destruction.</li> <li>• Increased bat mortality due to light pollution and moving turbine blades.</li> </ul>
Impacts on Avifauna	<ul style="list-style-type: none"> <li>• Mortality due to collisions with the wind turbines and panels.</li> <li>• Displacement due to disturbance during construction and operation of the wind farm.</li> <li>• Displacement due to habitat change and loss of the wind farm.</li> <li>• Mortality due to electrocution on the medium voltage overhead lines.</li> <li>• Mortality due to collisions with the medium voltage overhead lines.</li> </ul>

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## ENVIRONMENTAL IMPACTS IDENTIFIED (all projects)

	Scoping of Issues
Impacts on Agricultural Potential and Soils	<ul style="list-style-type: none"> <li>• Loss of soil / land capability.</li> </ul>
Impacts on Heritage (Cultural Landscape, Archaeology and Palaeontology)	<ul style="list-style-type: none"> <li>• Direct impact to archaeological heritage of scientific significance.</li> <li>• Direct impact to palaeontological heritage of scientific significance.</li> <li>• Indirect impact to significance cultural landscapes and cultural landscape elements.</li> </ul>
Impacts on Visual Quality	<ul style="list-style-type: none"> <li>• The potential negative experience of viewing the infrastructure and activities within a predominantly rural and natural setting.</li> </ul>
Impacts on Sensitive Noise Receptors	<ul style="list-style-type: none"> <li>• Increased noises or disturbing noises may increase annoyance levels with project. Noise levels could exceed 45 dBA during construction.</li> </ul>
Impacts on Traffic	<ul style="list-style-type: none"> <li>• Potential traffic congestion and delays on the surrounding road network. The associated noise, dust and exhaust pollution due to the increase in traffic.</li> </ul>
Impacts on the Socio-Economic Environment	<ul style="list-style-type: none"> <li>• Creation of temporary employment opportunities.</li> <li>• Creation of business and procurement opportunities.</li> <li>• Support for local economy.</li> <li>• Creation of training and skills development opportunities.</li> <li>• Disruption of existing family structures and social networks.</li> <li>• Anti-social behaviour of construction workers.</li> <li>• Increase in substance abuse, crime, sexually transmitted diseases.</li> <li>• Unplanned pregnancies.</li> <li>• Impact on psychological well-being of local communities</li> <li>• Resentment of outsiders and tension within local communities</li> </ul>

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## PLAN OF STUDY FOR THE EIA PHASE

- The Plan of Study for EIA is intended to provide a summary of the key findings of the Scoping Phase and to describe the activities to be undertaken in the EIA Phase of the EIA process.
- **Based on the findings of the Scoping assessment, the following further investigations within the EIA Phase are required:**
  - Ecological Impact Assessment
  - Avifauna Impact Assessment
  - Bat Impact Assessment
  - Freshwater and Soils Impact Assessment
  - Noise Impact Assessment
  - Visual Impact Assessment
  - Social Impact Assessment
  - Heritage Impact Assessment (including Archaeology Palaeontology and Cultural Heritage)
  - Traffic Impact Assessment

19

## WAY FORWARD AND CLOSURE (Nicolene Venter)

20

## WAY FORWARD

- Scoping Report review period: **12 November 2021 – 13 December 2021** (can be downloaded from the Savannah Environmental website)
- Final Scoping Report to be submitted to DFFE – January 2022
- EIA & EMPr for review – envisaged February 2022 (TBC)
- Our Public Participation team is available to answer any questions on the development and register you as an I&AP so that you can receive important project information as it becomes available.

## WHO TO CONTACT FOR FURTHER INFORMATION

### Savannah Environmental (Pty) Ltd

Nicolene Venter

Email: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)

PO Box 148, Sunninghill, 2157

Tel: 011 656 3237

Mobile: 060 978 8396 (*including "please call me"*)

Fax: 086 684 0547

[www.savannahSA.com](http://www.savannahSA.com)

**ENVIRONMENTAL IMPACT ASSESSMENT AND  
PUBLIC PARTICIPATION PROCESSES  
FOR THE  
GREAT KAROO CLUSTER OF RENEWABLE ENERGY  
FACILITIES NEAR RICHMOND, NORTHERN CAPE  
PROVINCE**

**DFFE Reference Numbers:**

Angora Wind Farm:	14/12/16/3/3/2/2113
Merino Wind Farm:	14/12/16/3/3/2/2114
Nku Solar PV:	14/12/16/3/3/2/2115
Moriri Solar PV:	14/12/16/3/3/2/2116
Kwana Solar PV:	14/12/16/3/3/2/2118

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**MEETING NOTES OF THE INFORMATION SESSION  
HELD ON THURSDAY, 02 DECEMBER 2021 HELD FROM 14H00 TO 17H00  
VENUE: RICHMOND SHOWGROUNDS HALL**

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**Notes for the Record prepared by:**

Rendani Rasivhetshela, Mmakoena Mmola & Nicolene Venter

**Savannah Environmental (Pty) Ltd**

**E-mail: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)**

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.  
Please address any comments to Savannah Environmental at the above address*



**GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES NEAR RICHMOND, NORTHERN CAPE PROVINCE**

**INFORMATION SESSION'S ATTENDEES (Alphabetically according to name)**

<b>Name</b>	<b>Position</b>
Desmond Smith	Ka-Ma Guest House & Restaurant: Richmond
Fon Thiem	Resident: Richmond
G.A de Vos	Resident: Richmond
Henry Els	Resident: Richmond
Johannes Pieterse	Resident: Richmond
Justin Gafoor	Resident: Richmond
Kevin MdKey	Resident: Richmond
Len Rundle	Chairman: Richmond Chamber of Commerce
Leon Olivier	Resident: Richmond
Sakoor Gafoor	Resident: Richmond
Paul Haupt	Banner Sign: Richmond
Piet Cilliers	Resident: Richmond
<b>Great Karoo Renewable Energy (Pty) Ltd</b>	
Romaya Dorasamy	Developer
<b>Savannah Environmental</b>	
Mmakoena Mmola	Environmental Assessment Practitioner (Wind Energy Facilities)
Rendani Rasivhetshela	Environmental Assessment Practitioner (Solar Photovoltaic Facilities)
Nicolene Venter	Public Participation and Social Consultant

**PRESENTATION**

The posters that were on display at the Information Session are attached as **Appendix A** to the Information Session notes.

**DISCUSSION SESSION**

<b>Question / Comment</b>	<b>Response</b>
How many employment opportunities will the project bring, and will the project bring business opportunities within the surrounding communities?	<p>Rendani Rasivhetshela explained that the project is anticipated to create approximately 350 job opportunities during the construction phase and the number will be reduced during the operational phase of the projects, however this will be informed by the final layout of the facilities as well as the detailed social impact assessment to be undertaken during the Environmental Impact Assessment (EIA) phase.</p> <p>Furthermore, the project will bring more business opportunities to the surrounding communities. For instances the construction workers will be housed within the surrounding areas.</p>

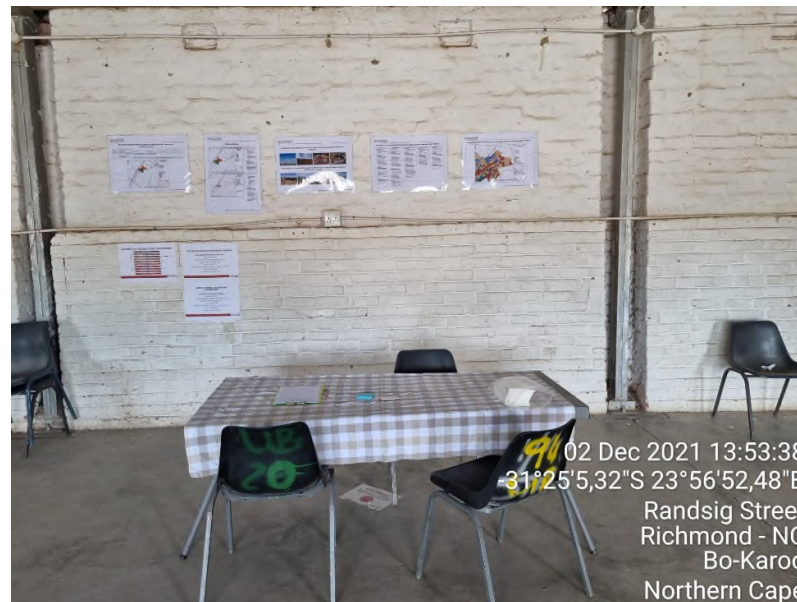
<p>Will the presence of animals (especially the Aardvark which is commonly found within the project site area) be considered during the specialists' field assessment?</p>	<p>Rendani Rasivhetshela explained that the Ecological Scoping Assessment was undertaken based on the desktop information as well as site visit. Furthermore, a detailed ecological impact assessment is currently being undertaken and will consider all the flora and fauna found within the project site.</p>
<p>Are the projects being constructed/applied by the same company and will they be constructed at the same time?</p>	<p>Rendani Rasivhetshela explained that the applicant for all the 5 renewable projects is Great Karoo Renewable Energy (Pty) Ltd as indicated in the posters. It is unlikely that the renewable projects will be constructed at the same time.</p>
<p>During operation phase, will there be anyone on site?</p>	<p>Rendani Rasivhetshela explained that site offices, maintenance buildings and workshop areas as can be seen on the poster are being proposed as part of the renewable facilities. This means that there will be people during operation who will be responsible for the day to day running of the facility.</p>
<p>Will the developer source local people for job opportunities?</p>	<p>Rendani Rasivhetshela explained that during the construction phase, people from the local communities within the area, would be in a position to qualify for most of the employment opportunities.</p>
<p>What stage of the process are we currently in?</p>	<p>Rendani Rasivhetshela explained the scoping and EIA process as indicated in the poster, with the emphasis on the fact that we are in the 30 days public review period of the scoping report.</p>
<p>How were the sensitive receptors determined?</p>	<p>Rendani Rasivhetshela explained that the potential noise sensitive receptors in the area were initially identified using environmental screening tool and available information and confirmed during the site visit. She also explained that this will be further confirmed in the EIA phase.</p>

APPENDIX A

INFORMATION SESSION: THURSDAY, 02 DECEMBER 2021 – Held at the Richmond Show Grounds, Richmond



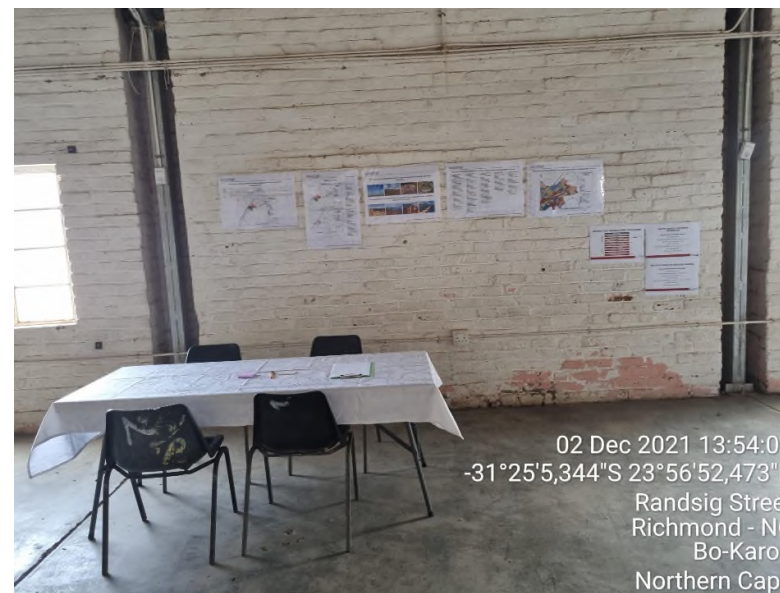
02 Dec 2021 13:53:22  
-31°25'5,4"S 23°56'52,427"E  
Randsig Street  
Richmond - NC  
Bo-Karoo  
Northern Cape



02 Dec 2021 13:53:38  
-31°25'5,32"S 23°56'52,48"E  
Randsig Street  
Richmond - NC  
Bo-Karoo  
Northern Cape



02 Dec 2021 13:53:55  
-31°25'5,321"S 23°56'52,476"E  
Randsig Street  
Richmond - NC  
Bo-Karoo  
Northern Cape

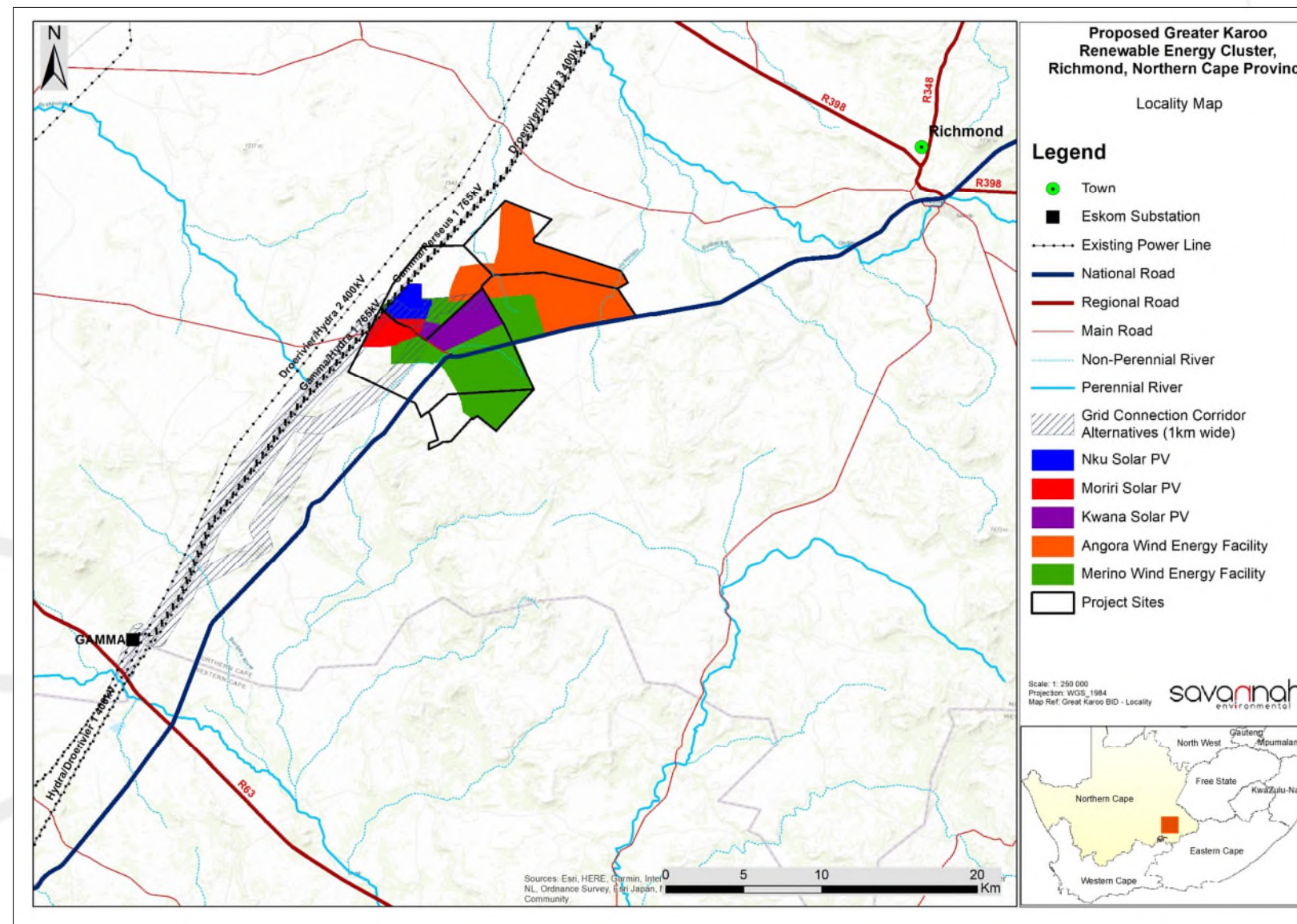


02 Dec 2021 13:54:07  
-31°25'5,344"S 23°56'52,473"E  
Randsig Street  
Richmond - NC  
Bo-Karoo  
Northern Cape

# GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES, NORTHERN CAPE PROVINCE

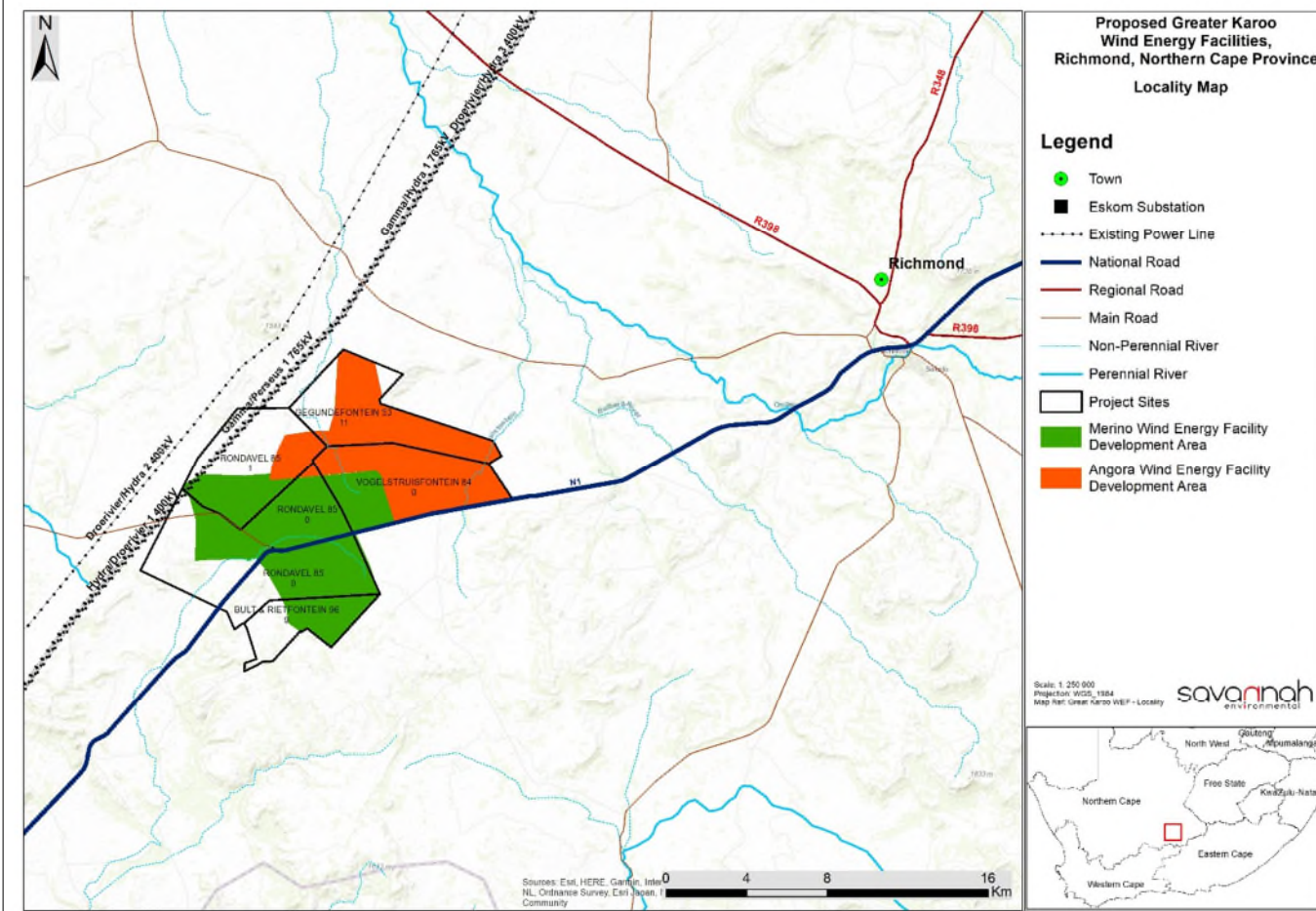
## COMBINED LOCALITY MAP

Applicant	Great Karoo Renewable Energy (Pty) Ltd				
Project Name	Angora Wind Farm	Merino Wind Farm	Nku Solar PV Facility	Moriri Solar PV Facility	Kwana Solar PV Facility
Facility type	Development of a 140MW Wind Energy Facility		Development of a 100MW Solar PV Facility		
Affected properties	Portion 11 of Farm Gegundefontein 53 Portion 0 of Farm Vogelstruisfontein 84 Portion 1 of Farm Rondavel 85 Portion 0 of Farm Rondavel 85	Portion 9 of Farm Bult & Rietfontein 96 Portion 0 of Farm Vogelstruisfontein 84 Portion 1 of Farm Rondavel 85 Portion 0 of Farm Rondavel 85	Portion 1 of Farm Rondavel 85 Portion 0 of Farm Rondavel 85	Portion 0 of Farm Rondavel 85	Portion 0 of Farm Rondavel 85
Location	Approximately 35km south-west of Richmond and 80km south-east of Victoria West, within the Ubuntu Local Municipality and the Pixley Ka Seme District Municipality in the Northern Cape Province				



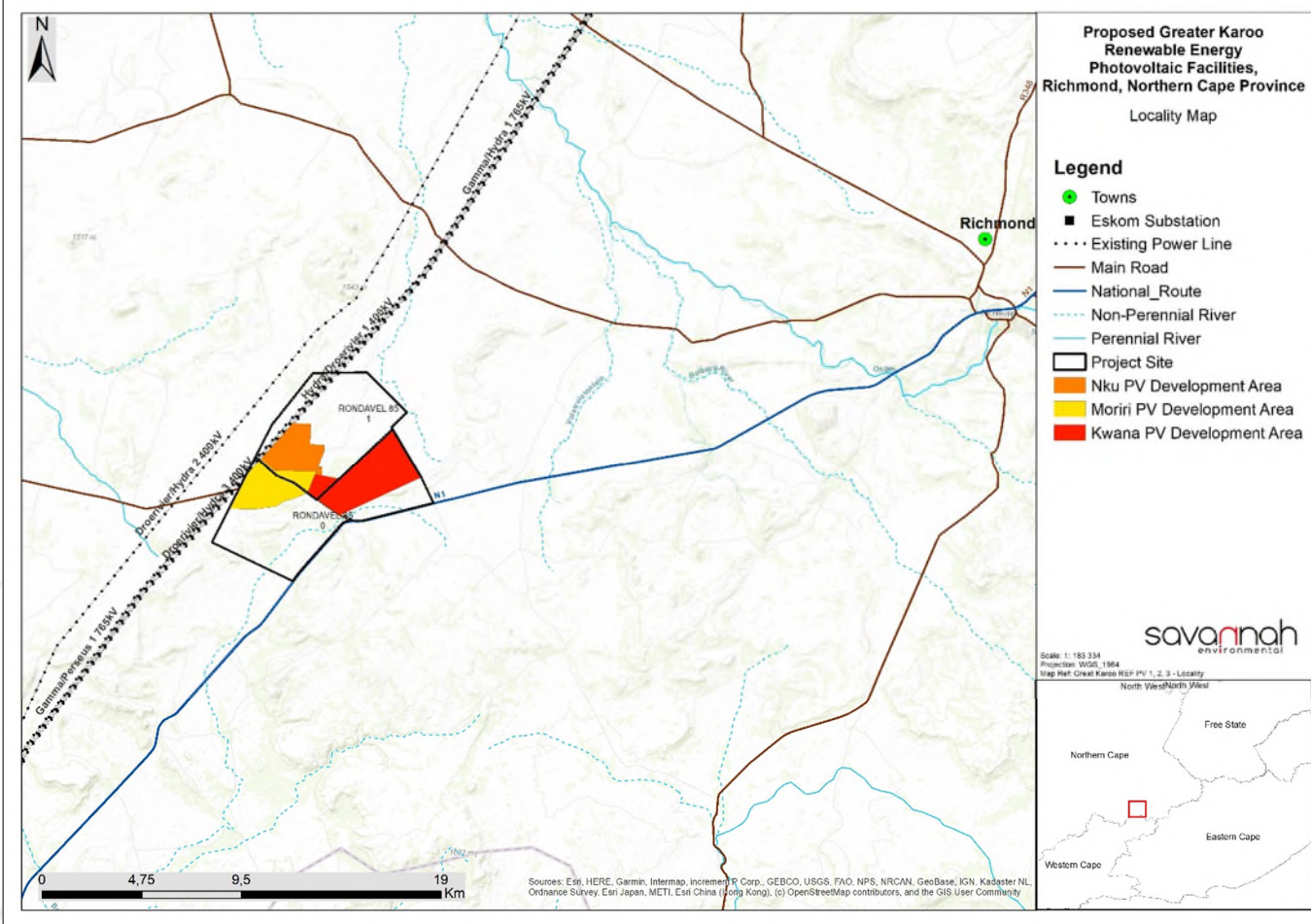
## PROJECT DESCRIPTION

### COMPONENTS OF THE ANGORA AND MERINO WIND FARMS



- Contracted capacity: 140MW
- Turbines:
  - Up to 45 turbines
  - Hub height of up to 170m
  - Tip height up to 250m
- Grid infrastructure:
  - 33/132kV onsite facility substation
  - 35kV underground cabling from the onsite substation to the 132kV collector substation
- Other infrastructure:
  - Foundations, hardstands, inverters and transformers, temporary laydown areas, temporary concrete batching plant, electrical and auxiliary equipment, Battery Energy Storage System, access roads and internal distribution roads, site offices, maintenance buildings, and workshop areas

### COMPONENT OF THE NKU, MORIRI AND KWANA SOLAR PV FACILITIES



- Contracted capacity: 100MW
- Panels:
  - Number of panels to be determined in the EIA Phase
  - Panel height up to 5m
  - Fixed-tilt, single-axis tracking, and/or double-axis tracking PV technology
  - Monofacial or bifacial panels
- Grid infrastructure:
  - 33/132kV onsite facility substation
  - 35kV Underground cabling from the onsite substation to the 132kV collector substation
- Other infrastructure:
  - Inverters and transformers, cabling between the panels, electrical and auxiliary equipment, Battery Energy Storage System, laydown areas, access roads & internal distribution roads, site offices, maintenance buildings & workshop areas

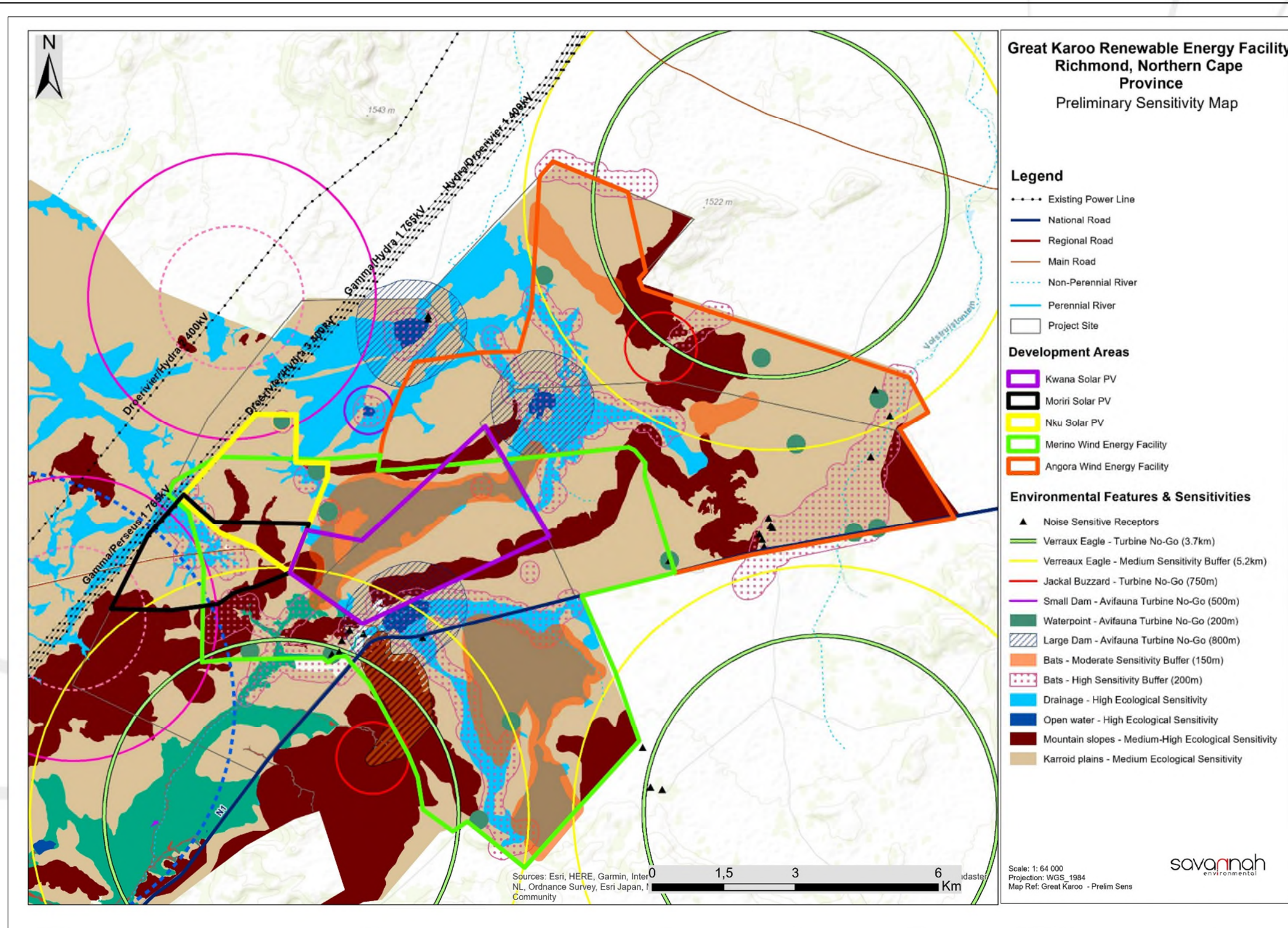
**PHOTOGRAPHS OF THE CONSTRUCTION PHASE OF A WIND FARM SIMILAR TO THE ANGORA AND MERINO WIND FARMS**



**PHOTOGRAPHS OF THE CONSTRUCTION PHASE OF A SOLAR PV FACILITY SIMILAR TO THE NKU, MORIRI AND KWANA SOLAR PV FACILITIES**



## PRELIMINARY SENSITIVITIES IDENTIFIED FOR THE GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES



## PRELIMINARY SENSITIVITIES IDENTIFIED FOR THE GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES

ANGORA WIND FARM	MERINO WIND FARM	NKU SOLAR PV FACILITY	MORIRI SOLAR PV FACILITY	KWANA SOLAR PV FACILITY
<ul style="list-style-type: none"> <li>• <b>Ecological features:</b> <ul style="list-style-type: none"> <li>• Site classified as an ESA.</li> <li>• Areas of very high and high ecological sensitivity were identified.</li> </ul> </li> <li>• <b>Aquatic features:</b> <ul style="list-style-type: none"> <li>• Areas of very high sensitivity are aligned with the ESAs and watercourses.</li> <li>• The very high sensitivity areas, including the 45m buffer, are regarded as no-go areas.</li> </ul> </li> <li>• <b>Bat buffers recommended:</b> <ul style="list-style-type: none"> <li>• 200m buffer recommended around high sensitivity features.</li> <li>• High bat sensitivity features regarded as no turbine zones.</li> <li>• 150m buffer recommended around medium sensitivity features.</li> <li>• Turbines allowed within medium sensitivity areas.</li> </ul> </li> <li>• <b>Avifauna buffers recommended:</b> <ul style="list-style-type: none"> <li>• Large dams:800m turbine no-go zone.</li> <li>• Boreholes: 200m turbine no-go zone.</li> <li>• Verreaux's Eagle nest: 3.7km all infrastructure no-go zone and 5.4km medium sensitivity zone.</li> <li>• Jackal Buzzard nest: 750m no-go zone.</li> </ul> </li> <li>• <b>Noise sensitive developments were identified:</b> <ul style="list-style-type: none"> <li>• No wind turbines are to be developed within 160m and 500m from identified noise-sensitive developments.</li> <li>• No-go zones to be determined during the EIA Phase.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ecological features:</b> <ul style="list-style-type: none"> <li>• Site falls within CBA1.</li> <li>• Areas of very high and high ecological sensitivity were identified.</li> </ul> </li> <li>• <b>Aquatic features:</b> <ul style="list-style-type: none"> <li>• Areas of very high sensitivity are attributed to the presence of wetlands, rivers, and priority area quinary catchments.</li> <li>• The very high sensitivity areas, including the 45m buffer, are regarded as no-go areas.</li> </ul> </li> <li>• <b>Bat buffers recommended:</b> <ul style="list-style-type: none"> <li>• 200m buffer recommended around high sensitivity features.</li> <li>• High bat sensitivity features regarded as no turbine zones.</li> <li>• 150m buffer recommended around medium sensitivity features.</li> <li>• Turbines allowed within medium sensitivity areas.</li> </ul> </li> <li>• <b>Avifauna buffers recommended:</b> <ul style="list-style-type: none"> <li>• Large dams:800m turbine no-go zone.</li> <li>• Boreholes: 200m turbine no-go zone.</li> <li>• Verreaux's Eagle nest: 3.7km all infrastructure no-go zone and 5.4km medium sensitivity zone.</li> <li>• Tawny Eagle nests: 3km all infrastructure no-go zone.</li> <li>• Martial Eagle nests: 5km all infrastructure no-go zone.</li> </ul> </li> <li>• <b>Noise sensitive developments were identified:</b> <ul style="list-style-type: none"> <li>• No wind turbines are to be developed within 160m and 500m from identified noise-sensitive developments.</li> <li>• No-go zones to be determined during the EIA Phase.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ecological features:</b> <ul style="list-style-type: none"> <li>• Site falls within Other Natural Areas.</li> <li>• Areas of high ecological sensitivity were identified.</li> </ul> </li> <li>• <b>Aquatic features:</b> <ul style="list-style-type: none"> <li>• No natural wetland areas are expected for the Nku PV Facility.</li> <li>• In the event a watercourse is identified within the project area, a buffer width of 32 m for the construction and operation phases would be recommended.</li> </ul> </li> <li>• <b>Bat buffers recommended:</b> <ul style="list-style-type: none"> <li>• 200m buffer recommended around high sensitivity features.</li> <li>• High bat sensitivity features regarded as no panel zone.</li> <li>• 150m buffer recommended around medium sensitivity features.</li> <li>• Panels allowed within medium sensitivity areas.</li> </ul> </li> <li>• <b>Avifauna buffers recommended:</b> <ul style="list-style-type: none"> <li>• No specific environmental sensitivities were identified from an avifaunal perspective, although the whole site is rated medium to high sensitivity due to the presence of suitable habitat for a Red List species, i.e. Ludwig's Bustard (SA Status Endangered), which was also recorded during surveys.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ecological features:</b> <ul style="list-style-type: none"> <li>• Site falls within Other Natural Areas.</li> <li>• Areas of high ecological sensitivity were identified.</li> </ul> </li> <li>• <b>Aquatic features:</b> <ul style="list-style-type: none"> <li>• No natural wetland areas are expected for the Moriri PV Facility.</li> <li>• Bat buffers recommended: <ul style="list-style-type: none"> <li>• 200m buffer recommended around high sensitivity features.</li> <li>• High bat sensitivity features regarded as no panel zone.</li> </ul> </li> <li>• 150m buffer recommended around medium sensitivity features.</li> <li>• Panels allowed within medium sensitivity areas.</li> </ul> </li> <li>• <b>Avifauna buffers recommended:</b> <ul style="list-style-type: none"> <li>• Tawny Eagle nest: 1.5km all infrastructure no-go zone.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ecological features:</b> <ul style="list-style-type: none"> <li>• Site overlaps with a CBA1, but is predominantly classified as Other Natural Areas.</li> <li>• Areas of high ecological sensitivity were identified.</li> </ul> </li> <li>• <b>Aquatic features:</b> <ul style="list-style-type: none"> <li>• No natural wetland areas are expected for the Kwana PV Facility.</li> </ul> </li> <li>• <b>Bat buffers recommended:</b> <ul style="list-style-type: none"> <li>• 200m buffer recommended around high sensitivity features.</li> <li>• High bat sensitivity features regarded as no panel zone.</li> <li>• 150m buffer recommended around medium sensitivity features.</li> <li>• Panels allowed within medium sensitivity areas.</li> </ul> </li> <li>• <b>Avifauna buffers recommended:</b> <ul style="list-style-type: none"> <li>• Surface zone: 200m solar panel no-go zone.</li> <li>• Tawny Eagle nest: 1.5km all infrastructure no-go zone.</li> </ul> </li> </ul>



Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: HARRY

VAN: ELS

POS ADRES (indien beskikbaar):

E-POS ADRES (indien beskikbaar): enriskman@gmail.com

SELFOONNOMMER: 083 230 2636

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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11/11

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Paul Haupt

VAN: \_\_\_\_\_

POS ADRES (indien beskikbaar):


145 PIENAK ST. RICHMOND NK

E-POS ADRES (indien beskikbaar): BANNERSIGN@WORLDONLINE.CO.ZA

SELFOONNOMMER: 083 450 2326

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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HANDTEKENING: 

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: G.A. DE Vos

VAN: DE Vos

POS ADRES (indien beskikbaar):

245 Church STR Richmond 7090

E-POS ADRES (indien beskikbaar): gdevos818@gmail.com

SELFOONNOMMER: 08 2332 9261.

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input checked="" type="checkbox"/>	SMS	<input type="checkbox"/>
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HANDTEKENING: 

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Piet Gilliers

VAN: Gilliers

POS ADRES (indien beskikbaar):

\_\_\_\_\_

E-POS ADRES (indien beskikbaar): petruscilliers56@gmail.com

SELFOONNOMMER: 0727638386

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp	X	SMS	
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*DP & N*

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Justin

VAN: Gafoor

POS ADRES (indien beskikbaar):

PO Box 138, Richmond, Northern Cape, 7090

E-POS ADRES (indien beskikbaar): gafoorjustin@gmail.com

SELFOONNOMMER: 0838051003

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp		SMS	X
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*Justin*

Great Karoo Cluster of Renewable Energy Facilities Kragaanlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: SAKOR

SURNAME: GAFOOR

POSTAL ADDRESS (if applicable): P.O. BOX 138 RICHMOND NK

E-MAIL ADDRESS (if available): SG9foor @ 1cc04b. com

MOBILE NUMBER: 082 871 5056

Preferred method of communication (please indicate preference with a v)

E-mail	<input checked="" type="checkbox"/>	Post	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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SIGNATURE: 

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Desmond

VAN: Smith

POS ADRES (indien beskikbaar):

Private bag 15

E-POS ADRES (indien beskikbaar): desmond.smith@dcs.gov.za

SELFOONNOMMER: 0829450062

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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HANDTEKENING: 

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: LEON OLIVIER

VAN: OLIVIER

POS ADRES (indien beskikbaar):

SABELO LOC. RICHMOND 7090

E-POS ADRES (indien beskikbaar): leon6911@gmail.com

SELFOONNOMMER: 073 095 8876

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input checked="" type="checkbox"/>	SMS	<input type="checkbox"/>
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HANDTEKENING: 



Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Johannes

VAN: PIETERSE

POS ADRES (indien beskikbaar):

E-POS ADRES (indien beskikbaar): JohPieterse@justice.gov.za/jp825264@gmail.com

SELFOONNUMMER: 0849079412

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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*Johannes Pieterse*

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: FON

VAN: THIEM

POS ADRES (indien beskikbaar):

243 MARK ST RICHMOND

E-POS ADRES (indien beskikbaar): \_\_\_\_\_

SELFOONNOMMER: 0845517515

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp		SMS	
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Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Karin McKay

VAN: McKay.

POS ADRES (indien beskikbaar):

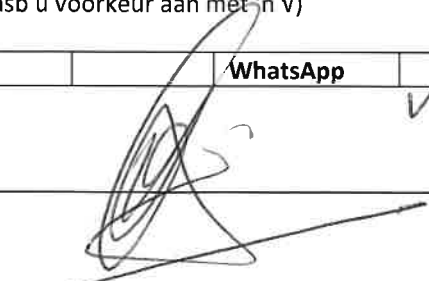
PO BOX 66 Richmond 7690

E-POS ADRES (indien beskikbaar): kmckey@amweb.co.za.

SELFOONNOMMER: 082 5636 220.

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input type="checkbox"/>	WhatsApp	<input checked="" type="checkbox"/>	SMS	<input type="checkbox"/>
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HANDTEKENING: 

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM:

LEN RUNDIE RICHMOND Chamber of

VAN:

RUNDIE COMMERCE

POS ADRES (indien beskikbaar):

P.O Box 16 RICHMOND

E-POS ADRES (indien beskikbaar):

lenrundie@gmail.com

SELFOONNOMMER:

0824988650

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

<input checked="" type="checkbox"/> E-pos	<input type="checkbox"/>	<input type="checkbox"/> Pos	<input type="checkbox"/>	<input type="checkbox"/> WhatsApp	<input type="checkbox"/>	<input type="checkbox"/> SMS	<input type="checkbox"/>
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HANDTEKENING:



**ENVIRONMENTAL IMPACT ASSESSMENT AND  
PUBLIC PARTICIPATION PROCESSES  
FOR THE  
GREAT KAROO CLUSTER OF RENEWABLE ENERGY  
FACILITIES NEAR RICHMOND, NORTHERN CAPE  
PROVINCE**

**DFFE Reference Numbers:**

Angora Wind Farm:	14/12/16/3/3/2/2113
Merino Wind Farm:	14/12/16/3/3/2/2114
Nku Solar PV:	14/12/16/3/3/2/2115
Moriri Solar PV:	14/12/16/3/3/2/2116
Kwana Solar PV:	14/12/16/3/3/2/2118

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**MEETING NOTES OF THE FOCUS GROUP MEETING HELD WITH  
LANDOWNERS & OCCUPIERS  
ON THURSDAY, 02 DECEMBER 2021 AT 18H00  
VENUE: RONDAWEL FARM**

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**Notes for the Record prepared by:**

Rendani Rasivhetshela, Mmakoena Mmola & Nicolene Venter

**Savannah Environmental (Pty) Ltd**

**E-mail:** [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.  
Please address any comments to Savannah Environmental at the above address*

## GREAT KAROO CLUSTER OF RENEWABLE ENERGY FACILITIES NEAR RICHMOND, NORTHERN CAPE PROVINCE

### RECORD OF ATTENDEES (Alphabetically according to name)

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Name	Position
Andrew Gerbon	Occupant: Rondawel
Elrico Nelson	Occupant: Rondawel
Elize Adams	Occupant: Rondawel
Herry Snyders	Occupant: Grootaar
Jan Victor	Landowner: Grootaar
Lunga Jaxa	Occupant: Rondawel
Piet Snyders	Occupant: Rondawel
Pieter van der Merwe	Landowner: Rondawel
Siena Snyders	Occupant: Rondawel
Stephanus van den Heever	Occupant: Grootaar
Willem Fritz	Occupant: Rondawel
Willem Yekani	Occupant: Grootaar
<b>Great Karoo Renewable Energy (Pty) Ltd</b>	
Romaya Dorasamy	Developer
<b>Savannah Environmental</b>	
Mmakoena Mmola	Environmental Assessment Practitioner (Wind Energy Facilities)
Rendani Rasivhetshela	Environmental Assessment Practitioner (Solar Photovoltaic Facilities)
Nicolene Venter	Public Participation and Social Consultant

The signed attendance records are attached as **Appendix A**.

### PRESENTATION

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The project was presented in Afrikaans as all the occupants are fluent in Afrikaans with limited or no knowledge of English.

### DISCUSSION SESSION

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The attendees (occupiers) expressed their appreciation for the information shared and informed the project team that they will have questions when the information shared has been discussed amongst them.

The project team was also informed that they would be prepared with questions during the impact phase.

The meeting was concluded at 19h00.

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die <sup>Edusgroep Veelpodring</sup> Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 ~~vanaf 14h00 tot 17h00~~ te Skousaat, Richmond  
~~om 18h00 te Knataand,~~

NAAM: Willem

VAN: Yelceni

POS ADRES (indien beskikbaar):  
\_\_\_\_\_

E-POS ADRES (indien beskikbaar): grootaarce

SELFOONNOMMER: \_\_\_\_\_

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp		SMS	
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HANDTEKENING: Willem

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Stephanus

VAN: Van den Heever

POS ADRES (indien beskikbaar):

\_\_\_\_\_

E-POS ADRES (indien beskikbaar): groosaurcc@gmail.com

SELFOONNOMMER: \_\_\_\_\_

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos	<input checked="" type="checkbox"/>	Pos	<input checked="" type="checkbox"/>	WhatsApp	<input checked="" type="checkbox"/>	SMS	<input type="checkbox"/>
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HANDTEKENING: 





Great Karoo Cluster of Renewable Energy Facilities Kragaanlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: Piet

SURNAME: Snyders

POSTAL ADDRESS (if applicable):  
\_\_\_\_\_

E-MAIL ADDRESS (if available): \_\_\_\_\_

MOBILE NUMBER: 0791579393

Preferred method of communication (please indicate preference with a v)

E-mail	<input type="checkbox"/>	Post	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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SIGNATURE: P. Snyders



Great Karoo Cluster of Renewable Energy Facilities Kragaanlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: Elize

SURNAME: Adams

POSTAL ADDRESS (if applicable):  
\_\_\_\_\_

E-MAIL ADDRESS (if available): \_\_\_\_\_

MOBILE NUMBER: 0656757365

Preferred method of communication (please indicate preference with a v)

E-mail	<input type="checkbox"/>	Post	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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SIGNATURE: Elize Adams

Great Karoo Cluster of Renewable Energy Facilities Kragaanlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: Siana

SURNAME: Snyders

POSTAL ADDRESS (if applicable):  
\_\_\_\_\_

E-MAIL ADDRESS (if available): \_\_\_\_\_

MOBILE NUMBER: 0733324961

Preferred method of communication (please indicate preference with a v)

E-mail		Post		WhatsApp		SMS	
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SIGNATURE: S. S.

Great Karoo Cluster of Renewable Energy Facilities Kragaanlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: HERRA

SURNAME: SOXKEMAS

POSTAL ADDRESS (if applicable):  
\_\_\_\_\_

E-MAIL ADDRESS (if available): \_\_\_\_\_

MOBILE NUMBER: \_\_\_\_\_

Preferred method of communication (please indicate preference with a v)

E-mail		Post		WhatsApp		SMS	
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SIGNATURE: *[Signature]*

Great Karoo Cluster of Renewable Energy Facilities Kraganlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: Andrew

SURNAME: Gerber

POSTAL ADDRESS (if applicable):  
\_\_\_\_\_

E-MAIL ADDRESS (if available): \_\_\_\_\_

MOBILE NUMBER: 0833696113

Preferred method of communication (please indicate preference with a v)

E-mail	<input type="checkbox"/>	Post	<input type="checkbox"/>	WhatsApp	<input type="checkbox"/>	SMS	<input type="checkbox"/>
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SIGNATURE: Gerber

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Pieter v d Meewe

VAN: Vander Meewe

POS ADRES (indien beskikbaar):

Bus 51 Richmond 7090

E-POS ADRES (indien beskikbaar): pieter@greatkaroo.energy

SELFOONNOMMER: 0829449177

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp	<input checked="" type="checkbox"/>	SMS	
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HANDTEKENING: 

Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Jan Victor

VAN: \_\_\_\_\_

POS ADRES (indien beskikbaar):

Bus 197, Victoria - Wes

E-POS ADRES (indien beskikbaar): janvictor197@gmail.com

SELFOONNOMMER: 0823735060

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp	<input checked="" type="checkbox"/>	SMS	
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*Handwritten signature*



Groot Karoo-Groep Hernubare Kragaanlegte

**BYWONINGS REGISTER**

Hiermee bevestig ek my bywoning by die Inligtingsessie gehou op  
Donderdag, 02 Desember 2021 vanaf 14h00 tot 17h00 te Skousaal, Richmond

NAAM: Elrico

VAN: Nelson

POS ADRES (indien beskikbaar):

\_\_\_\_\_

E-POS ADRES (indien beskikbaar): \_\_\_\_\_

SELFOONNOMMER: \_\_\_\_\_

Voorkeur van kommunikasie (dui asb u voorkeur aan met 'n v)

E-pos		Pos		WhatsApp		SMS	
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Great Karoo Cluster of Renewable Energy Facilities Kragaanlegte

**ATTENDANCE REGISTER**

I hereby confirmed my attendance at the Information Session held on  
Thursday, 02 December 2021 from 14h00 to 17h00 at the Showground Hall, Richmond

NAME: LYNCOA

SURNAME: SIXA

POSTAL ADDRESS (if applicable):  
\_\_\_\_\_

E-MAIL ADDRESS (if available): \_\_\_\_\_

MOBILE NUMBER: 07323 02783

Preferred method of communication (please indicate preference with a v)

E-mail		Post		WhatsApp	✓	SMS	
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SIGNATURE: SIXA

**VENUE OF FOCUS GROUP MEETING HELED ON THURSDAY, 02 DECEMBER 2021 – Held at the Farm Rondawel**

