



**Appendix 7**  
**Public Participation**








**Appendix 7A**  
**Proof of Site Notices**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED CONSTRUCTION OF FOUR (4) MAINSTREAM WIND FARMS, AND BASIC ASSESSMENTS (BAS) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**EIA AND BA SITE NOTICES**

Description of the location of notice & GPS Coordinates	Picture / Photo
<p>Entrance road to <b>Graskoppies Wind Farm</b>                      (Ptn 1 &amp; 2 of Graskoppies No 176 and Ptn 1, Hartebeest Leegte No 216)</p> <p><b>and</b></p> <p>Entrance road to <b>Ithemba Wind Farm</b></p> <p>GPS: 30° 14'02.9"S 19°23'46.2"E</p>	
	

Description of the location of notice & GPS Coordinates	Picture / Photo
<p>Entrance to !Xha Boom Wind Farm (Ptn 2, Georgs Vley Np 217)</p> <p>GPS: 30° 17'21.3"S 19°14'18.0"E</p>	 <p>A close-up photograph of a fence with several notices attached. The notices are white sheets of paper with black text. One notice on the right has handwritten text: "S 30°17'21.3\"/&gt; </p>



Description of the location of notice & GPS Coordinates	Picture / Photo
<p>Entrance to <b>Hartebeest Leegte Wind Farm</b>  (Ptn Remainder, Hartebeest Leegte No 216)</p> <p>GPS: 30° 26'13.7"S 19°13'06.7"E</p>	 <p>A close-up photograph of a fence line. Two large white notices are posted on the fence. To the left, a smaller white sign is attached to a wooden post, containing handwritten text: "S 30°26'13.7", "E 19°13'06.7", "PTN 2 of Zwartkops", "NO. 224". The background shows a dry, open landscape under a blue sky with light clouds.</p>
	 <p>A wide-angle photograph showing the entrance to the wind farm. A dirt road leads into the distance, flanked by a fence. Several white pickup trucks are parked on the left side of the road. In the foreground, there are two large white notices on the fence, similar to the ones in the first photo. The landscape is arid with sparse vegetation and a clear blue sky.</p>

Description of the location of notice & GPS Coordinates	Picture / Photo
<p>On boundary fence at entrance of the existing Eskom Helios Main Transmission Substation (MTS)</p> <p>GPS: 30° 29'50.2"S 19°33'27.4"E</p>	
	
<p>On one (1) of the boundary fences where Power Line Corridor Option 4 runs south towards the Helios MTS, along the district road that leads to Granaatsboskolk</p> <p>GPS: 30° 18'49.6"S 19°35'26.5"E</p>	




**Description of the location of notice  
& GPS Coordinates**

**Picture / Photo**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED CONSTRUCTION OF FOUR (4) MAINSTREAM WIND FARMS, AND BASIC ASSESSMENTS (BAS) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**EIA AND BA PROCESS NOTICES**  
(Erected between Wednesday 26 October 2016 and Friday 28 October 2016)

Description of the location of notice	Picture / Photo
<p><b>Hantam Local Municipality Offices</b></p>	 <p><b>Figure 1:</b> Hantam Local Municipality's Offices, Hope Street, Calvinia</p>



**Figure 2:** General notice board in Reception and at Cashier's counters

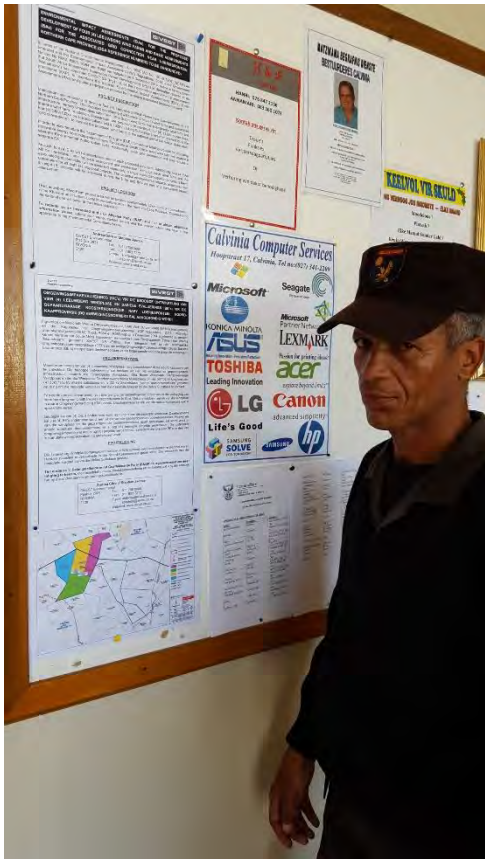


Figure 3: Mr Mark Swarts, (Security Officer) reading notices

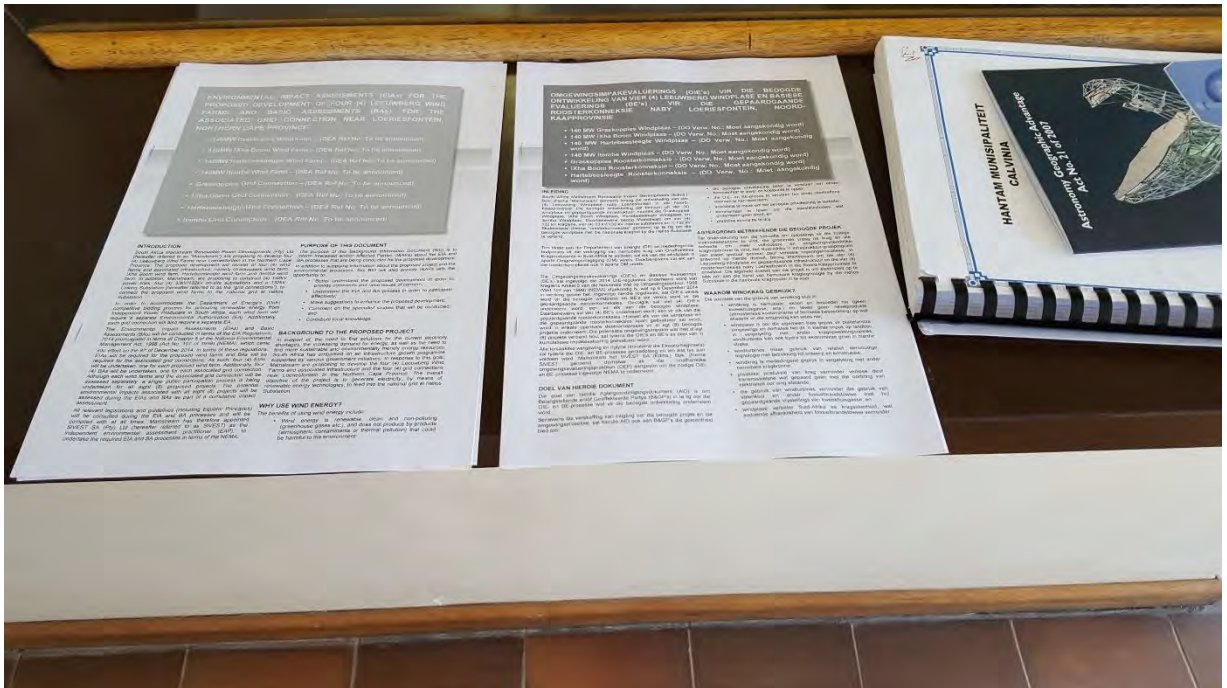


Figure 4: BID available at Reception



**Figure 5:** Mr Hendrik van Zyl signing Visitation Register at Reception

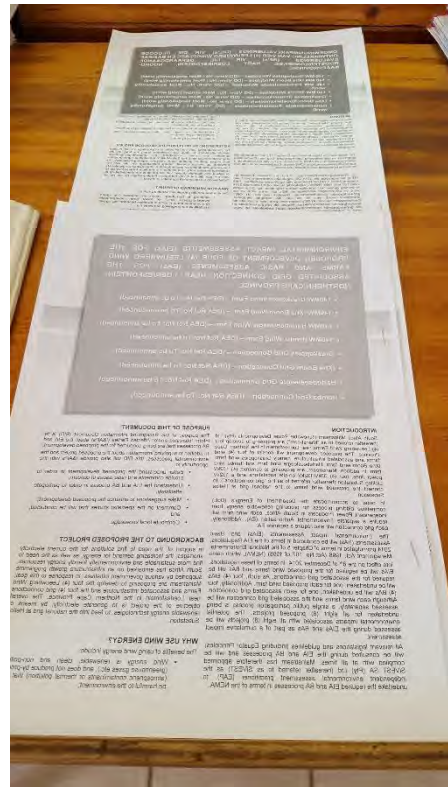
### Hantam Local Municipality Satellite Offices



**Figure 6:** Hantam Local Municipality's Satellite Office, Long Street, Loeriesfontein



**Figure 7: Hantam Local Municipality Satellite Office, Reception**



**Figure 8: BID available at Reception**



**Figure 9: Loeriesfontein Resident reading BID**



Figure 10: Mr Bennie Engelbrecht signing Visitation Register at Reception

### Loeriesfontein Library



Figure 11: Ms Belinda Farmer, Librarian

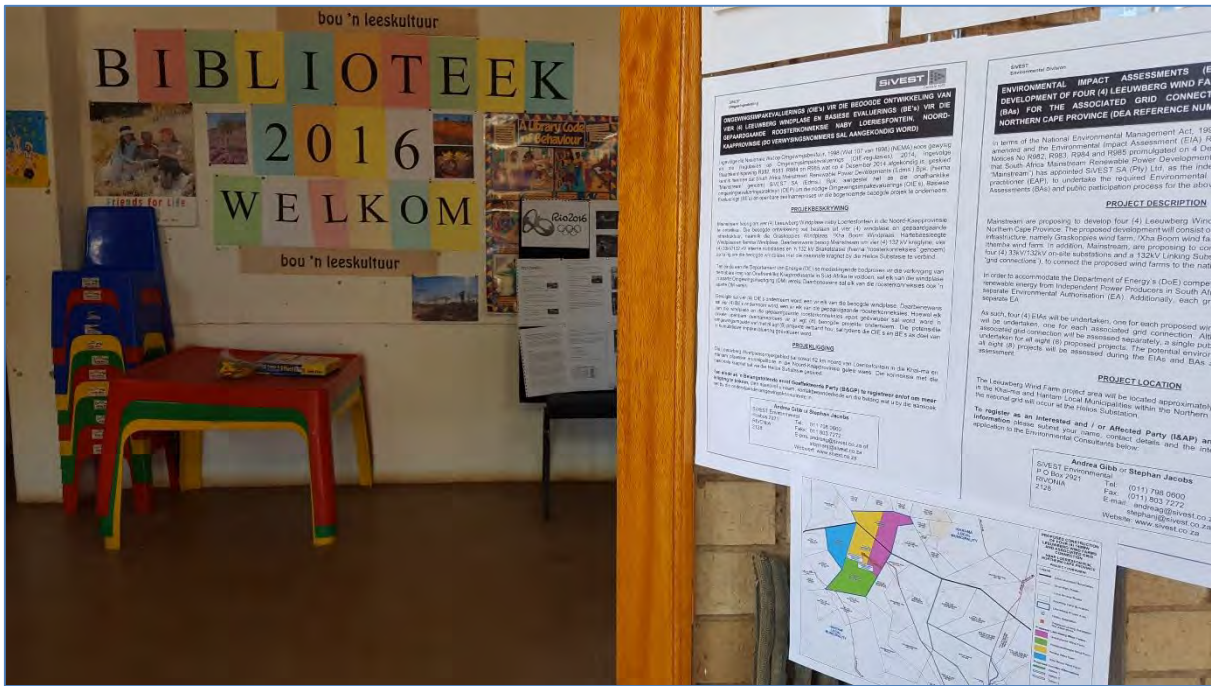


Figure 12: Entrance to Loeriesfontein Library

### Loeriesfontein Post Office



Figure 13: Post Office Entrance, Main Road, Loeriesfontein

# Food xpress

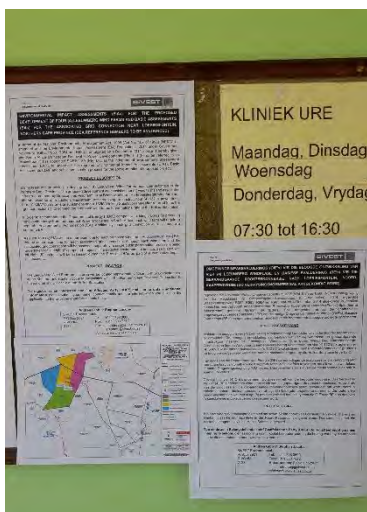


Figure 14: Local Cafe frequented by community members

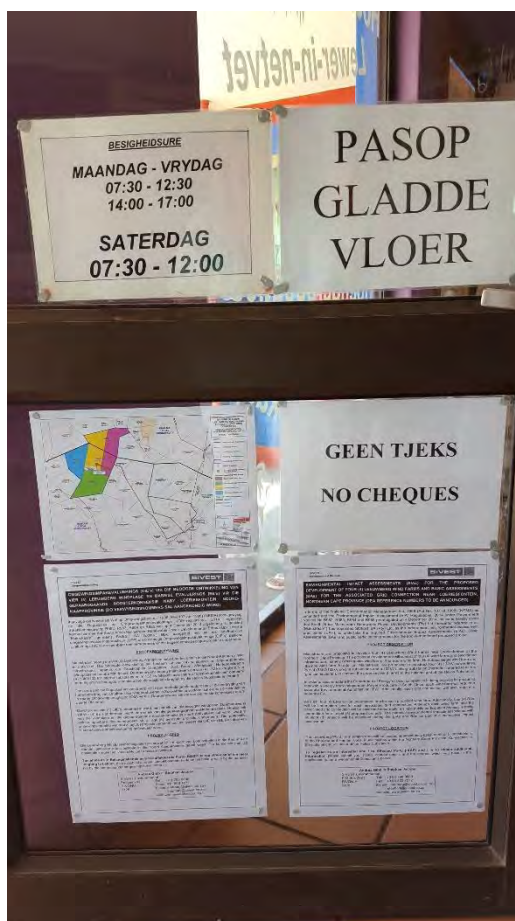




# Loeriesfontein Clinic



# Loeriesfontein Butchery



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE (DEA REFERENCE NUMBERS TO BE ANNOUNCED)**

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, 2014 under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") has appointed SiVEST SA (Pty) Ltd, as the independent environmental assessment practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and public participation process for the above-mentioned proposed project.

**PROJECT DESCRIPTION**

Mainstream are proposing to develop four (4) Wind Farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, !Xha Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct four (4) 132kV power lines, four (4) 33kV/132kV on-site IPP substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect the proposed wind farms to the national grid at the Helios Substation.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA.

As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one (1) for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

**PROJECT LOCATION**

The Wind Farms project area will be located approximately 62km north of Loeriesfontein, in the Khaima and Hantam Local Municipalities within the Northern Cape Province. Connection to the national grid will occur at the Helios Substation.

**To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information** please submit your name, contact details and the interest which you have in the application to the Environmental Consultants below:

**Hlengiwe Ntuli or Stephan Jacobs**  
SiVEST Environmental  
P O Box 2921      Tel: (011) 798 0600  
RIVONIA              Fax: (011) 803 7272  
2128                  E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
   or [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za)  
   Website: [www.sivest.co.za](http://www.sivest.co.za)





**Appendix 7B**  
**Written Notices**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE (DEA REFERENCE NUMBERS TO BE ANNOUNCED)**

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, 2014 under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") has appointed SiVEST SA (Pty) Ltd, as the independent environmental assessment practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and public participation process for the above-mentioned proposed project.

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**PROJECT LOCATION**

The Wind Farms project area will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province. Connection to the national grid will occur at the Helios Substation.

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**Hlengiwe Ntuli or Stephan Jacobs**

SiVEST Environmental  
P O Box 2921      Tel: (011) 798 0600  
RIVONIA      Fax: (011) 803 7272  
2128      E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
                        or [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za)  
Website: [www.sivest.co.za](http://www.sivest.co.za)

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE (DO VERWYSINGSNOMMERS SAL AANGEKONDIG WORD)**

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) soos gewysig en die Regulasies op Omgewingsimpakevaluering (OIE-regulasies), 2014, ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 afgekondig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) SiVEST SA (Edms.) Bpk. aangestel het as die onafhanklike omgewingsevalueringpraktisyn (OEP) om die nodige Omgewingsimpakevaluering (OIE's), Basiese Evaluering (BE's) en openbare deelnameproses vir die bogenoemde beoogde projek te onderneem.

**PROJEKBESKRYWING**

Mainstream beoog om vier (4) Windplase naby Loeriesfontein in die Noord-Kaapprovinsie te ontwikkel. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, !Xha Boom Windplaas, Hartebeest Leegte Windplaas en Itemba Windplaas. Daarbenewens beoog Mainstream om vier (4) 132 kV kraglyne, vier (4) 33kV/132 kV interne substasies en 'n 132 kV Skakelstasie (hierna "roosterkonneksies" genoem) op te rig om die beoogde windplase met die nasionale kragnet by die Helios Substasie te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elk van die windplase 'n aparte Omgewingsmagtiging (OM) vereis. Daarbenewens sal elk van die roosterkonneksies ook 'n aparte OM vereis.

Gevolgtik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elk van die windplase en die gepaardgaande roosterkonneksies apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) beoogde projekte onderneem. Die potensiele omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

**PROJEKLIIGING**

Die Windplaasprojekgebied sal sowat 62 km noord van Loeriesfontein in die Khai-ma en Hantam plaaslike munisipaliteite in die Noord-Kaapprovinsie geleë wees. Die konneksie met die nasionale kragnet sal via die Helios Substasie geskied.

**Ten einde as 'n Belangstellende en/of Geaffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom**, dien asseblief u naam, kontakbesonderhede en die belang wat u by die aansoek het by die onderstaande omgewingskonsultente in:

<b>Hlengiwe Ntuli of Stephan Jacobs</b>	
SiVEST Environmental	
Posbus 2921	Tel: 011 798 0600
RIVONIA	Faks: 011 803 7272
2128	E-pos: <a href="mailto:hlengiw@sivest.co.za">hlengiw@sivest.co.za</a> of <a href="mailto:stephanj@sivest.co.za">stephanj@sivest.co.za</a>
Webwerf: <a href="http://www.sivest.co.za">www.sivest.co.za</a>	



## ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Graskoppies Wind Farm – (DEA Ref No: To be announced)
- Xha! Boom Wind Farm – (DEA Ref No: To be announced)
- Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)
- Ithemba Wind Farm – (DEA Ref No: To be announced)
- Graskoppies Grid Connection – (DEA Ref No: To be announced)
- Xha! Boom Grid Connection – (DEA Ref No: To be announced)
- Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)
- Ithemba Grid Connection – (DEA Ref No: To be announced)

### INTRODUCTION

South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") are proposing to develop four (4) Wind Farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, Xha! Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct (4) 132kV power lines, four (4) 33kV/132kV on-site substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect the proposed wind farms to the national grid at Helios Substation.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA.

The Environmental Impact Assessments (EIAs) and Basic Assessments (BAs) will be conducted in terms of the EIA Regulations, 2014 promulgated in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), which came into effect on the 8<sup>th</sup> of December 2014. In terms of these regulations, EIAs will be required for the proposed wind farms and BAs will be required for the associated grid connections. As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one for each associated grid connection. Although each wind farms and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

All relevant legislations and guidelines (including Equator Principles) will be consulted during the EIA and BA processes and will be complied with at all times. Mainstream has therefore appointed SiVEST SA (Pty) Ltd (hereafter referred to as SiVEST) as the independent environmental assessment practitioner (EAP), to undertake the required EIA and BA processes in terms of the NEMA.

### PURPOSE OF THIS DOCUMENT

The purpose of this Background Information Document (BID) is to inform Interested and/or Affected Parties (I&APs) about the EIA and BA processes that are being conducted for the proposed development.

In addition to supplying information about the proposed project and the environmental processes, this BID will also provide I&APs with the opportunity to:

- Better understand the proposed development in order to provide comments and raise issues of concern;
- Understand the EIA and BA process in order to participate effectively;
- Make suggestions to enhance the proposed development;
- Comment on the specialist studies that will be conducted; and
- Contribute local knowledge.

### BACKGROUND TO THE PROPOSED PROJECT

In support of, the need to find solutions for the current electricity shortages, the increasing demand for energy, as well as the need to find more sustainable and environmentally friendly energy resources, South Africa has embarked on an infrastructure growth programme supported by various government initiatives. In response to this goal; Mainstream are proposing to develop the four (4) Wind Farms and associated infrastructure and the four (4) grid connections near Loeriesfontein in the Northern Cape Province. The overall objective of the project is to generate electricity, by means of renewable energy technologies, to feed into the national grid at Helios Substation.

### WHY USE WIND ENERGY?

The benefits of using wind energy include:

- Wind energy is renewable, clean and non-polluting (greenhouse gases etc.), and does not produce by-products (atmospheric contaminants or thermal pollution) that could be harmful to the environment;
- Wind farms are generally well suited to rural areas and therefore have a reduced impact on agriculture compared to other electricity

generating options. Wind turbines can also contribute to economic growth in these regions;

- Wind turbines make use of relatively simple technology in terms of design and construction;
- Wind energy is competitively priced compared to other renewable energy sources;
- Localised production of energy reduces transmission line losses associated with transmitting electricity over long distances;
- The use of wind turbines reduces the use of coal and other fossil fuels with their associated emissions of greenhouse gases; and
- Wind farms improve energy security for South Africa, reducing dependency on fossil fuels.

### HOW DOES A WIND TURBINE WORK?

Wind turbines are mounted onto a tower to capture wind energy. The kinetic energy generated by the wind is used to turn the blades of the turbines to generate electricity. The wind turbines are erected at a height of up to 150m above the ground and take advantage of the fastest and less turbulent wind. Usually, 2 to 3 blades are mounted on a shaft to form a rotor. The nacelle sits on top of the hub and contains the generator, control equipment, gearbox and anemometer for monitoring the wind speed and direction. The mechanical power generated through the rotating blades is transmitted to the generator via a gear box and drive train which converts the turning motion of the blades into electricity.

Wind turbines are generally designed to operate continuously for more than 20 years with minimal maintenance. A wind energy facility can be monitored and controlled remotely with a mobile team for maintenance when required.

### WIND FARM TECHNICAL DETAILS

At this stage each proposed wind farm, consisting of the turbines and associated infrastructure, will have a total generation capacity of up to 235MW. The number of wind turbines will be determined during the EIA process. The generated electricity will be fed into the national grid at the Helios Substation via a 132kV power line.

### Wind Turbines

The size of the wind turbines will depend on the developable area and the total generation capacity that can be produced as a result. The wind turbines will therefore have a hub height of up to 150m and a rotor diameter of up to 150m. The blade rotation direction will depend on wind measurement information received later in the process. The electrical generation capacity for each turbine will range from 3MW to 5MW depending on the final wind turbine selected for the proposed development.

### Wind Farm Electrical Infrastructure

The wind turbines will be connected to the substation using buried (up to a 1,5m depth) medium voltage cables (Figure 1) except where a technical assessment of the proposed design suggests that overhead lines are appropriate, such as over rivers and gullies. Where overhead power lines are to be constructed, monopole tower structures will be used in combination with the steel lattice towers at bend points. The dimensions of the monopole structures will depend on grid safety requirements and the grid operator. The exact location of the towers and the final design will

depend on Eskom requirements. As mentioned, the proposed wind farm will connect to the national grid at Helios substation via a 132kV power line with a length of up to 48km.

A new substation and associated transformers will be developed which will supply the generated electricity to the national grid. The connection from the substation to the national grid line will be an overhead power line as mentioned above.

### Roads

Access roads width and location will be determined during the EIA and BA processes.

### Construction Lay Down Area

A temporary lay down area will be constructed for the proposed development and will include an access road and a contractor's site office

Other infrastructure includes the following:

- Operation and maintenance (O&M) buildings;
- Fencing; and
- Linking station.

Should more than one wind farm receive an EA and a license from the DoE the option of sharing the Linking Station and 132kV power line will be considered.

### PROJECT LOCATION

The Wind Farm project area will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province.

The application sites for the four (4) proposed Wind Farms and associated grid connection alternatives are shown on the locality map (Figure 2).

The route alternatives for the four (4) proposed 132kV power lines within the Project Area and the location the four (4) proposed 33kV/132kV on-site substation alternatives will be provided during EIA and BA processes.

### EIA / BA PROCESSES

#### What is an EIA?

An EIA is a process of collecting, organising, analysing, interpreting and communicating information that is relevant to consider a particular environmental application. EIAs are used by planning authorities/developers to obtain an independent and objective view of the potential environmental (biophysical and social) impacts that could arise during the construction and operation of the proposed development. This information needs to provide the Competent Authority with a sound basis for their decision-making.

#### What is a BA?

A BA is a similar process to an EIA, but is undertaken where the impacts are less likely to have significant impacts on the receiving environment. Like EIAs, BAs identify potential environmental impacts and provide the Competent Authority with a sound basis for their decision-making.

### Legal requirements

According to the NEMA as amended, an EIA process is required for the proposed wind farms as several listed notice 2 activities (GN R. 984) are triggered by each proposed project. A BA process is required for the associated grid connections as several listed notice 1 activities (GN R. 983) are triggered by each proposed project.

**Figure 1: Conceptual wind farm electricity generation process showing electrical connections**

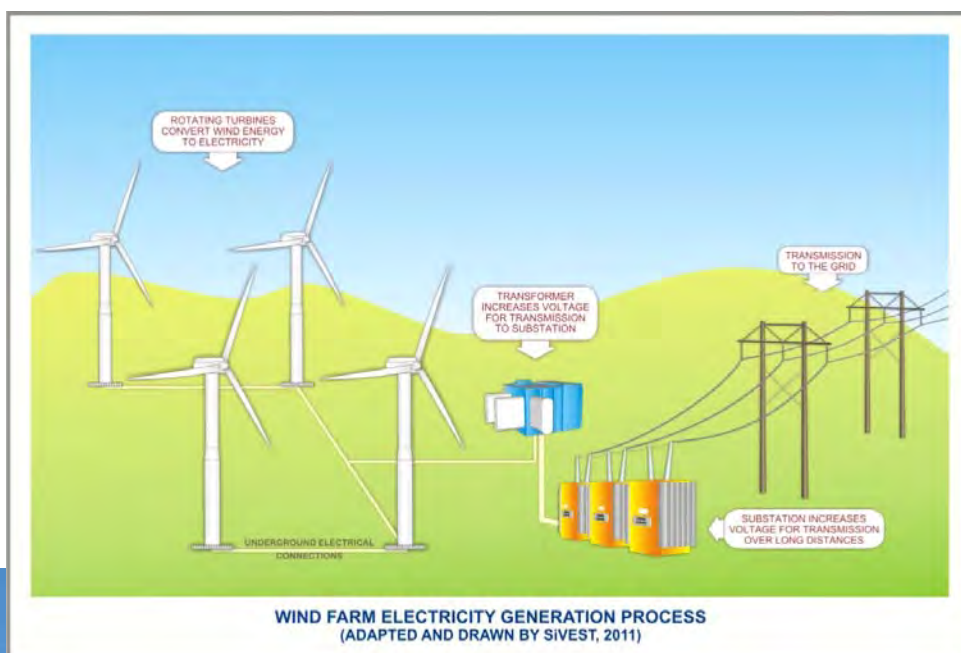
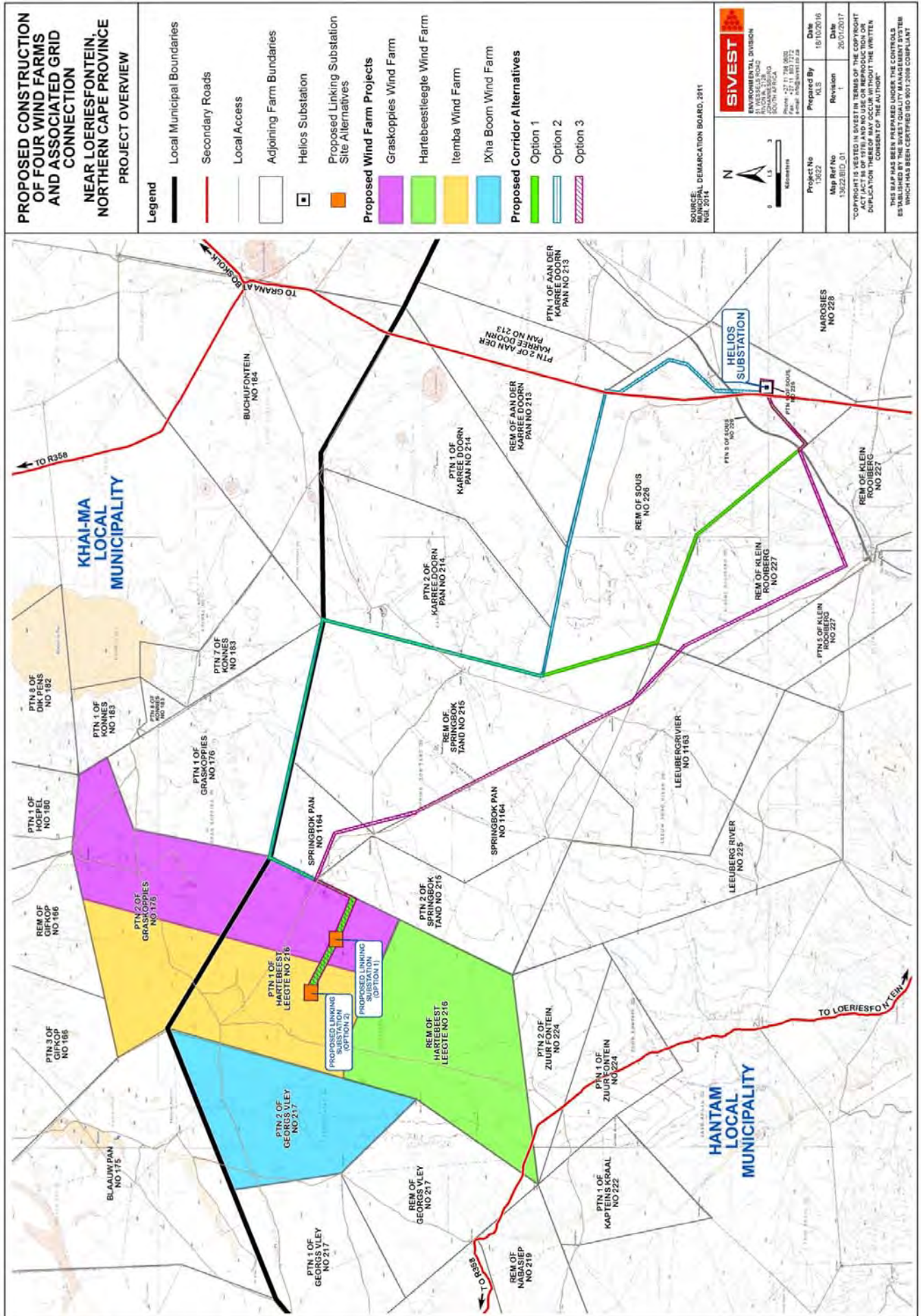


Figure 2: Locality Map



The EIA and BA processes that will be followed are illustrated in Figure 3 and Figure 4 below.

### Competent authority

The Competent Authority for this proposed project is the National Department of Environmental Affairs (DEA).

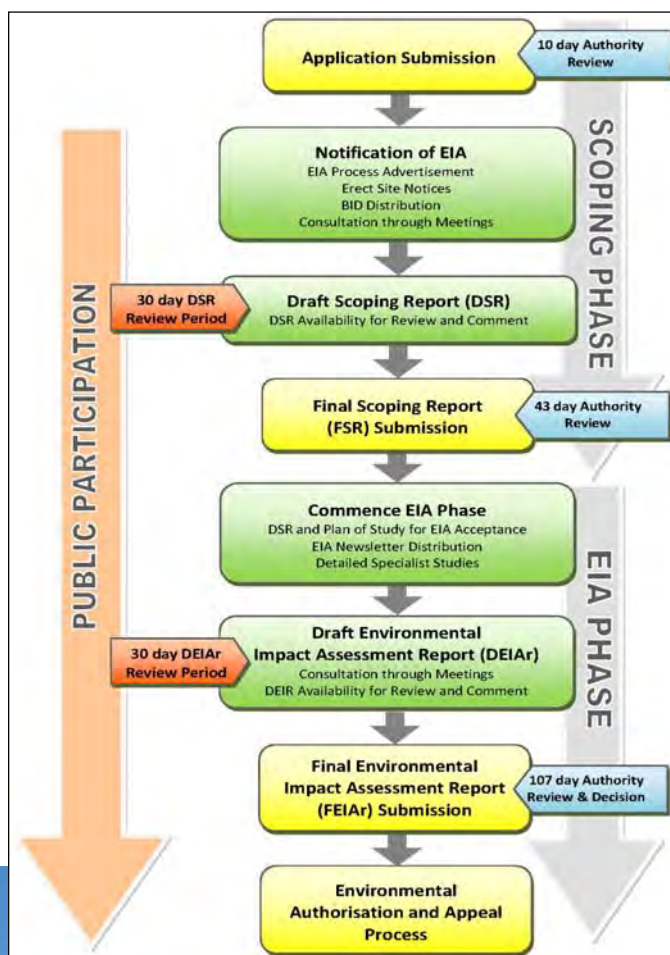
### Environmental issues to be investigated during the EIA and BA

Various environmental parameters have been identified that will require investigation for the proposed development. These are listed in Table 1 below.

**Table 1. List of specialists and specialist studies to be undertaken for the proposed development**

SKILL	NAME
Biodiversity	Simon Todd Consulting – Simon Todd
Avifauna	Chris van Rooyen Consulting – Chris van Rooyen
Bat	Animalia
Surface Water	SIVEST – Shaun Taylor
Agricultural Potential and Soils	Johann Lanz
Heritage and Palaeontology	PGS – Wouter Fourie
Visual	SIVEST – Andrea Gibb, Stephan Jacobs
Noise	Morné De Jager – Enviro-Acoustic Research
Socio-Economic	Urban Econ – Elena Broughton
Public Participation	Imaginative Africa - Nicolene Venter

**Figure 3: EIA process diagram**



### THE PUBLIC PARTICIPATION PROCESS

Public participation is the cornerstone of any EIA or BA, as it will be for this proposed project. The principles of NEMA govern many aspects of an EIA or BA, including public participation. The key objective of public participation during the EIA and BA will be to provide I&APs with sufficient and relevant information and to conduct a transparent consultation process on an on-going basis, in order to ensure effective participation throughout the EIA and BA processes. As part of this public participation process you will also be provided with the opportunity to comment on the environmental findings as per the EIA and BA reports (Scoping, Environmental Impact Assessment and Basic Assessment), which will be made available for public review and comment during the processes.

It is important that relevant I&APs and Stakeholders are identified and involved in the public participation process from the outset of the proposed project. As a registered I&AP, you will receive personal notifications, via e-mail, post, fax, and/or sms (where applicable), notifying you of all documents available for comment, the comment periods and the upcoming meetings.

### Your responsibilities as an I&AP

In terms of the EIA Regulations, your attention is drawn to your responsibilities as an I&AP, which are to:

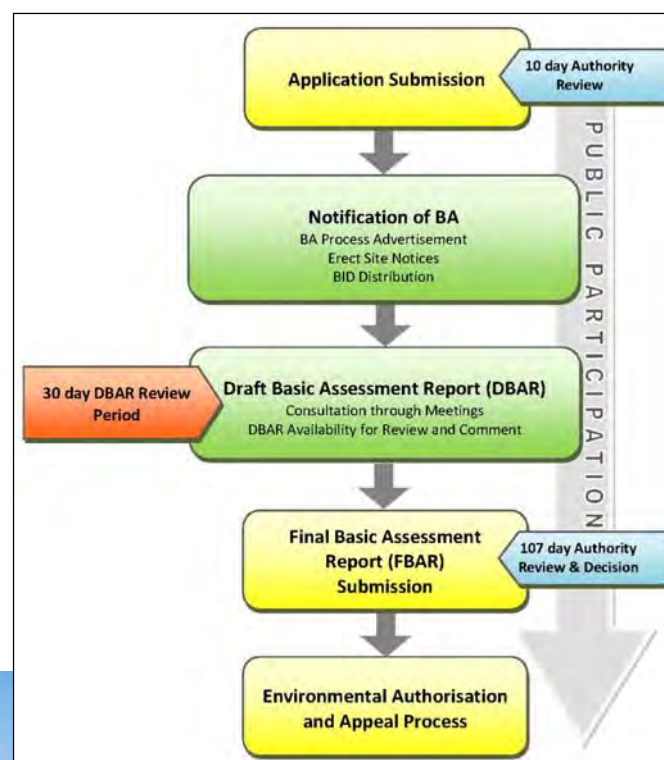
- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that any comments regarding the proposed project is submitted within the legislated timeframes which will be communicated to you.

### Our responsibilities as the independent EAP

In terms of the EIA Regulations, our responsibilities in the public consultation process include:

- Ensuring that sufficient information regarding the proposed project is made available to you, either through the BID or providing information as and when requested;
- Ensuring that you have an understanding of the proposed project to be able to comment informatively, and to enable you to submit any concern in an informed manner; and
- Ensuring that the following actions are taken upon receiving any comments/queries/issues:
  - o The contact details provided by you will be entered into the project database;
  - o You will be sent all further information releases; and
  - o If you send us queries or comments, we will respond in writing (either via e-mail or within the comments and response report).

**Figure 4: BA process diagram**



## How to become involved

If you wish to register as an I&AP, you can do so by the following methods:

- Respond (by phone, fax, post or e-mail) to our invitation for your participation, which has been advertised in the printed media;
- Post, fax or e-mail the attached Registration and Comment Form to SiVEST;
- Attend the meetings to be held during the course of the project. Should you register as an I&AP you will automatically be invited to attend these meetings;
- Contact us telephonically should you have a query, comment or require further project information; and
- Submit comments on the Draft Scoping Reports (DSRs) and/or the Draft Environmental Impact Assessment Report (DEIARs) and/or the Draft Basic Assessment Reports (DBARs) within the review periods that will be stipulated.

If you consider yourself an I&AP for this proposed project, we urge you to make use of the opportunities created by the public participation process to become actively involved in the process and provide comment or concerns which affect and/or interest you, or about which you would like more information. Your input into this process forms a key part of the environmental studies and we would like to hear from you to obtain your views on the proposed project.

By completing and submitting the accompanying Registration and Comment Form, you automatically register yourself as an I&AP for this proposed project, ensuring that your comments and/or concerns raised regarding will be noted and addressed. The environmental consultants will respond to all comments and queries received during the course of the EIA or BA.

*Please be informed that all relevant public documents can be downloaded from the SiVEST's website.*



*We look forward to your contributions*

Contact: Andrea Gibb or Stephan Jacobs

 PO Box 2921, RIVONIA, 2128

 Phone: (011) 798 0600

 E-mail: [andreag@sivest.co.za](mailto:andreag@sivest.co.za) / [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za)

 Fax: (011) 803 7272

Websites: [www.sivest.co.za](http://www.sivest.co.za)

## LIST OF ACRONYMS

<b>BA</b>	Basic Assessment	<b>EIA</b>	Environmental Impact Assessment
<b>BID</b>	Background Information Document	<b>FBAR</b>	Final Basic Assessment Report
<b>DBAR</b>	Draft Basic Assessment Report	<b>FEIAR</b>	Final Environmental Impact Report
<b>DEA</b>	Department of Environmental Affairs	<b>Ha</b>	Hectares
<b>DEIAR</b>	Draft Environmental Impact Assessment Report	<b>I&amp;AP</b>	Interested and/or Affected Party
<b>DSR</b>	Draft Scoping Report	<b>Km</b>	Kilometre
<b>EAP</b>	Environmental Assessment Practitioner	<b>kV</b>	Kilovolt
<b>EMPr</b>	Environmental Management Programme		

## OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE

- Graskoppies Windplaas – (DO Verw. No.: Moet aangekondig word)
- Xha! Boom Windplaas – (DO Verw. No.: Moet aangekondig word)
- Hartebeest Leegte Windplaas – (DO Verw. No.: Moet aangekondig word)
- Ithemba Windplaas – (DO Verw. No.: Moet aangekondig word)
- Graskoppies Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
- Xha! Boom Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
- Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
- Ithemba Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)

### INLEIDING

South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) beoog die ontwikkeling van vier (4) Windplase naby Loeriesfontein in die Noord-Kaapprovinsie. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, Xha! Boom Windplaas, Hartebeest Leegte Windplaas en Ithemba Windplaas. Daarbenewens beoog Mainstream om vier (4) 132 kV kraglyne, vier (4) 33 kV/132 kV interne substasies en 'n 132 kV Skakelstasie (hierna "roosterkonneksies" genoem) op te rig om die beoogde windplase met die nasionale kragnet by die Helios Substasie te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elk van die windplase 'n aparte Omgewingsmagtiging (OM) vereis. Daarbenewens sal elk van die roosterkonneksies ook 'n aparte OM vereis.

Die Omgewingsimpevaluerings (OIE's) en Basiese Evaluerings (BE's) sal ingevolge die 2014 OIE-regulasies onderneem word wat kragtens Artikel 5 van die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) afgekondig is, wat op 8 Desember 2014 in werking getree het. Ingevolge hierdie regulasies, sal OIE's vereis word vir die beoogde windplase en BE's sal vereis word vir die gepaardgaande roosterkonneksies. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elk van die windplase en die gepaardgaande roosterkonneksies apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) beoogde projekte onderneem. Die potensiele omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

Alle tersaaklike wetgewing en riglyne (insluitend die Ekwatorbeginsels) sal tydens die OIE- en BE-prosesse geraadpleeg en ten alle tye aan voldoen word. Mainstream het SiVEST SA (Edms.) Bpk. (hierna SiVEST genoem) derhalwe as die onafhanklike omgewingsevalueringspraktisyn (OEP) aangestel om die nodige OIE- en BE-prosesse ingevolge NEMA te onderneem.

### DOEL VAN HIERDIE DOKUMENT

Die doel van hierdie Agtergrondinligtingsdokument (AID) is om Belangstellende en/of Geaffekteerde Partye (B&GP's) in te lig oor die OIE- en BE-prosesse wat vir die beoogde ontwikkeling onderneem word.

- Benewens die verskaffing van inligting oor die beoogde projek en die omgewingsprosesse, sal hierdie AID ook aan B&GP's die geleentheid bied om:
- die beoogde ontwikkeling beter te verstaan ten einde kommentaar te lewer en knelpunte te opper;
- die OIE- en BE-prosesse te verstaan ten einde doeltreffend daaraan te kan deelneem;
- voorstelle te maak om die beoogde ontwikkeling te verbeter;
- kommentaar te lewer oor die spesialisstudies wat onderneem gaan word; en
- plaaslike kennis by te dra.

### AGTERGROND BETREFFENDE DIE BEOOGDE PROJEK

Ter ondersteuning van die behoefte om oplossings vir die huidige elektrisiteitstekorte te vind, die groeiende vraag na krag en die behoefte om meer volhoubare en omgewingsvriendelike kraghulpbronne te vind, het Suid-Afrika 'n infrastruktuur-groei-program van stapel gestuur gesteun deur verskeie regeringsinisiatiewe. In antwoord op hierdie doelwit, beoog Mainstream om die vier (4) Windplase en gepaardgaande infrastruktuur en die vier (4) roosterkonneksies naby Loeriesfontein in die Noord-Kaapprovinsie te ontwikkel. Die algehele doelwit van die projek is om elektrisiteit op te wek om aan die hand van hernubare kragtegnologie by die Helios Substasie in die nasionale kragrooster in te voer.

### WAAROM WINDKRAG GEBRUIK?

Die voordele van die gebruik van windkrag sluit in:

- windkrag is hernubbaar, skoon en besoedel nie (geen kweekhuysgasse, ens.) en lewer geen neweprodute (atmosferiese kontaminante of termiese besoedeling) op wat skadelik vir die omgewing kan wees nie;

- windplase is oor die algemeen baie gepas vir plattelandse omgewings en derhalwe het dit 'n kleiner impak op landbou in vergelyking met ander kragopwekkingsopsies; windturbines kan ook bydra tot ekonomiese groei in hierdie streke;
- windturbines maak gebruik van relatief eenvoudige tegnologie met betrekking tot ontwerp en konstruksie;
- windkrag is mededingend geprys in vergelyking met ander hernubare kragbronne;
- plaaslike produksie van krag verminder verliese deur transmissielyste wat gepaard gaan met die oorbryng van elektrisiteit oor lang afstande;
- die gebruik van windturbines verminder die gebruik van steenkool en ander fossielbrandstowwe met hul gepaardgaande vrystellings van kweekhuysgasse; en
- windplase verbeter Suid-Afrika se kragsekerheid, wat sodoende afhanklikheid van fossielbrandstowwe verminder.

## HOE WERK 'N WINDTURBINE?

Windturbines is op 'n toring gemonteer om windkrag in te span. Die kinetiese energie wat deur die wind opgewek word, word ingespan om 'n turbine se skroewe te draai ten einde elektrisiteit op te wek. Die windturbines word opgerig teen 'n hoogte van hoogstens 150 m bo die grond en trek voordeel uit die vinnigste en minste turbulente wind. Gewoonlik is twee tot drie skroewe op 'n skag gemonteer om 'n rotor te vorm. Die turbinehuis (nacelle) is aan die spits van die naaf en bevat die generator, beheertoerusting, ratkas en anemometer om die windsnelheid en -rigting te monitor. Die meganiese krag wat deur die draaiende skroewe opgewek word, word aan die generator oorgedra deur 'n ratkas en dryfwerk wat die draaiende beweging van die skroewe omskakel in elektrisiteit.

Windturbines is gewoonlik ontwerp om vir meer as 20 jaar ononderbroke en met minimale onderhoud te werk. Wanneer 'n windkragaanleg eers in bedryf is, kan dit van elders gemonitor en beheer word, met 'n mobiele span vir onderhoud wanneer dit nodig is.

## TEGNIËSE BESONDERHEDE VAN 'N WINDPLAAS

Op hierdie stadium sal elk van die beoogde windplase, bestaande uit die turbines en gepaardgaande infrastruktuur, oor 'n totale opwekkingsvermoë tot en met 235MW beskik. Die aantal windturbines sal gedurende die OIE-proses bepaal word. Die opgewekte elektrisiteit sal aan die hand van 'n 132 kV-kraglyn by die Helios Substasie in die nasionale kragnet ingevoer word.

### Windturbines

Die grootte van die windturbines sal afhang van die gebied wat ontwikkel word en die totale opwekkingsvermoë wat gevolglik geproduseer kan word. Die windturbines sal derhalwe oor 'n naafhoogte van hoogstens 150 m en 'n rotordeursnee van hoogstens 150 m beskik. Die skroewe se rotasierigting sal afhang van inligting uit windmeting wat later in die proses ontvang sal word. Die elektriese opwekkingsvermoë vir elke turbine sal varieer tussen 3MW en 5MW, afhangend van die finale windturbine waarop vir die beoogde ontwikkeling besluit word.

### Windplaas se Elektriese Infrastruktuur

Die windturbines sal met die substasie verbind word deur gebruik te maak van ondergrondse mediumspanningskabels (tot 'n diepte van 1,5 m) (Figuur 1), behalwe waar 'n tegniese evaluering van die beoogde ontwerp daarop dui dat oorhoofse kraglyne geskik is, soos oor riviere of klowe. Waar oorhoofse kraglyne opgerig moet word, sal enkel-masstrukture gebruik word, tesame met staal-traliemaste by punte waar die lyne van rigting verander. Die afmetings van die enkelmas-strukture sal afhang van roosterveiligheidsvereistes en die roosteroperateur. Die presiese ligging van die maste en die finale ontwerp sal afhang van Eskom se vereistes. Soos genoem sal die beoogde windplaas aan die hand van 'n 132 kV kraglyn oor 'n afstand van hoogstens 48 km by die Helios Substasie by die nasionale kragnet aansluit.

'n Nuwe substasie en gepaardgaande transformators sal ontwikkel word wat die opgewekte elektrisiteit aan die nasionale kragnet sal voorsien. Die konneksie van die substasie af tot by die nasionale roosterlyn, sal 'n oorhoofse kraglyn wees, soos hierbo genoem.

### Paaie

Toegangspaaie se wydte en ligging sal gedurende die OIE- en BE-prosesse bepaal word.

### Konstruksieopslagwerf

'n Tydelike opslagwerf sal vir die beoogde ontwikkeling opgerig word en sal 'n toegangspad en kontrakteur se terreinkantoor insluit.

Ander infrastruktuur sluit in:

- bedryfs- en instandhoudingsgeboue;
- 'n omheining; en
- 'n skakelstasie.

Sou meer as een windplaas 'n OM en 'n lisensie van die DO ontvang, sal die opsie oorweeg word om die Skakelstasie en die 132 kV kraglyn te deel.

### PROJEKLISSING

Die Windplaasprojekgebied sal sowat 62 km noord van Loeriesfontein in die Khai-ma en Hantam Plaaslike Munisipaliteit in die Noord-Kaapprovinsie geleë wees.

Die aansoekterreine vir die vier (4) beoogde Windplase en gepaardgaande roosterkonneksie-alternatiewe word op die liggingskaart aangedui (Figuur 2).

Die roete-alternatiewe vir die vier (4) beoogde 132 kV kraglyne in die Projekgebied en die ligging van die vier (4) beoogde 33 kV/132 kV interne substasie-alternatiewe sal gedurende die OIE- en BE-prosesse voorsien word.

### OIE- / BE-PROSESSE

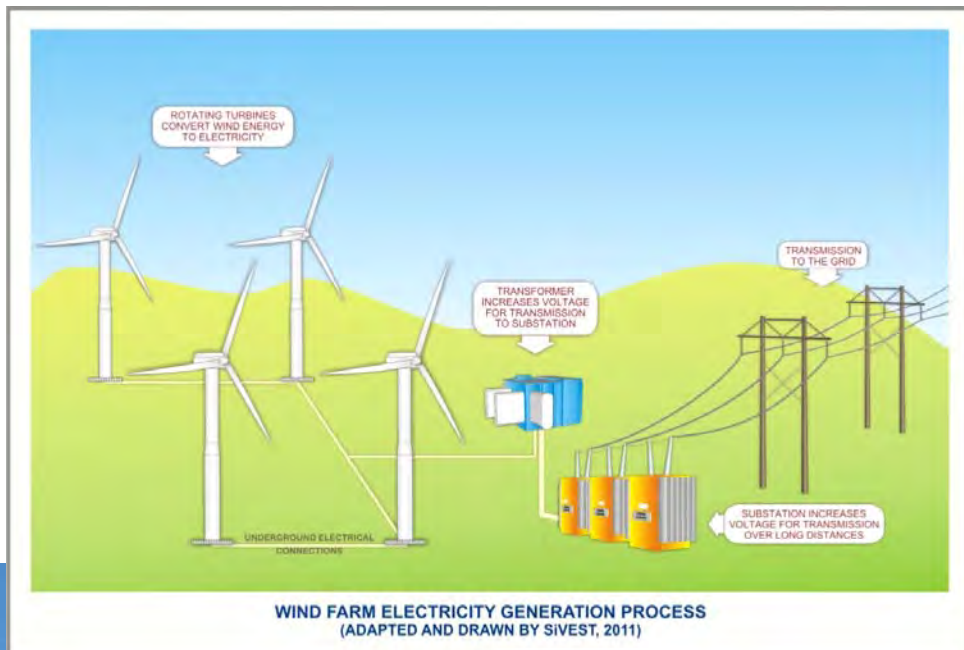
#### Wat is 'n OIE?

'n OIE is 'n proses waardeur inligting wat tersaaklik is vir die oorweging van 'n betrokke omgewingsaansoek versamel, saamgevoeg, ontleed, vertolk en gekommunikeer word. OIE's word deur beplanningsowerhede/ontwikkelaars gebruik om 'n onafhanklike en objektiewe siening van die potensiële omgewingsimpakte (biofisies en maatskaplik) te verkry wat tydens die oprigting en bedryf van die beoogde ontwikkeling kan opduik. Hierdie inligting moet die Bevoegde Owerheid 'n konkrete grondslag vir hul besluitneming bied.

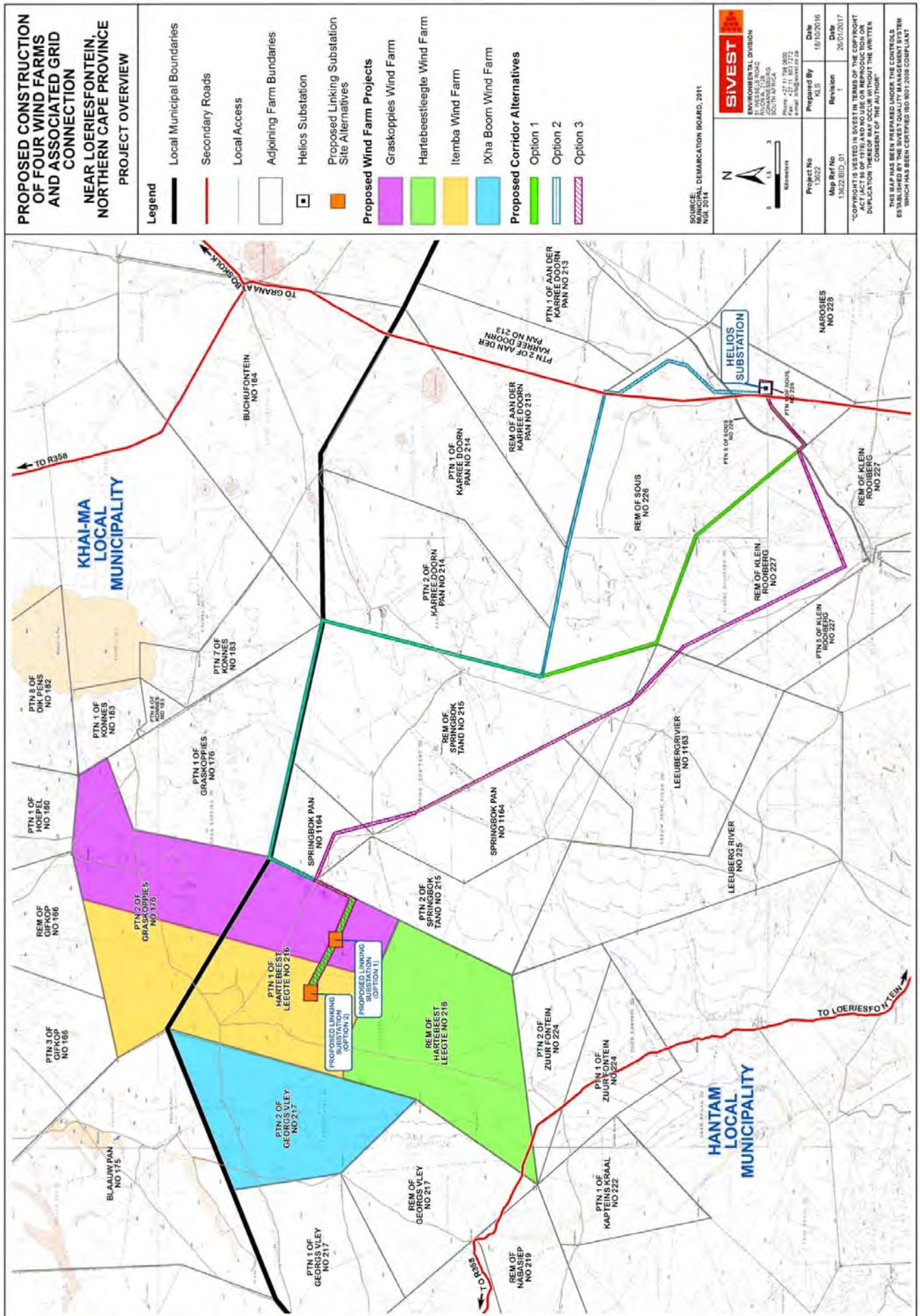
#### Wat is 'n BE?

'n BE is 'n proses soortgelyk aan 'n OIE, maar word onderneem waar die impakte minder waarskynlik is om 'n wesentliche impak op die ontvangsomgewing te hê. Soos OIE's, identifiseer BE's potensiële omgewingsimpakte en voorsien die Bevoegde Owerheid van 'n konkrete grondslag vir hul besluitneming.

**Figuur 1: Konseptuele windplaas kragopwekkingsproses wat elektriese konneksies aandui**



Figur 2: Liggingskaart





**Wetlike vereistes**

Ingevolge NEMA, soos gewysig, moet 'n OIE-proses vir die beoogde windplase onderneem word aangesien elk van die beoogde projekte aanleiding gee tot verskeie gelyste kennisgewing 2-aktiwiteite (Staatskennisgewing R984). 'n BE-proses word benodig vir die gepaardgaande roosterkonneksies, aangesien elk van die beoogde projekte aanleiding gee tot verskeie gelyste kennisgewing 1-aktiwiteite (Staatskennisgewing R983). Die OIE- en BE-prosesse wat gevolg sal word, word in Figuur 3 en Figuur 4 hieronder uiteengesit.

**Bevoegde Owerheid**

Die Nasionale Departement van Omgewingsake (DO) is die bevoegde owerheid vir hierdie beoogde projek. Omgewingskwessies wat tydens die OIE en BE ondersoek moet word. Verskeie omgewingsparameters is vir die beoogde ontwikkeling geïdentifiseer wat ondersoek sal verg. Dit word in Tabel 1 hieronder gelys.

Tabel 1: Lys van spesialiste en spesialisstudies wat vir die beoogde ontwikkeling onderneem moet word

VAARDIGHEID	NAAM
Biodiversiteit	Simon Todd Consulting – Simon Todd
Avifauna	Chris van Rooyen Consulting – Chris van Rooyen
Vlermuis	Animalia
Oppervlakwater	SiVEST – Shaun Taylor
Landboupotensiaal en Grondsoorte	Johann Lanz
Erfenis en paleontologie:	PGS – Wouter Fourie
Visueel	SiVEST – Andrea Gibb / Stephan Jacobs
Geraas	Morné de Jager – Enviro-Acoustic Research
Sosio-ekonomies	Urban Econ – Elena Broughton
Openbare Deelname	Imaginative Africa – Nicolene Venter

**DIE OPENBARE DEELNAMEPROSES**

Openbare deelname is die hoeksteen van enige OIE of BE, soos ook die geval is vir hierdie beoogde projek. Die beginsels van NEMA beheer baie aspekte van 'n OIE of BE, insluitend openbare deelname. Die primêre doel van openbare deelname tydens hierdie OIE en BE sal wees om B&GP's te voorsien van voldoende en tersaaklike inligting en om deursigtige oorlegpleging op 'n deurlopende grondslag te onderneem ten einde doeltreffende deelname regdeur die OIE- en BE-prosesse te verseker. As deel van hierdie openbare deelnameproses sal u ook die geleentheid kry om kommentaar te lewer op die omgewingsbevindinge ingevolge die OIE- en BE-verslag (Bestekopname, Omgewingsimpakevaluering en Basiese Evaluering), wat tydens die proses beskikbaar gestel gaan word vir openbare oorsig en kommentaar. Dit is belangrik dat tersaaklike B&GP's en Belanghebbendes uit die staanspoor van die beoogde projek geïdentifiseer en by die openbare deelnameproses betrek word. As 'n geregistreerde B&GP sal u persoonlike kennisgewings per e-pos, pos, faks en/of sms (waar van toepassing) ontvang, wat u in kennis stel van alle dokumente wat beskikbaar is vir kommentaar, wat die kommentaartyperke is en van die vergaderings wat voorlê.

**U verantwoordelikhede as 'n B&GP**

Ingevolge die OIE-regulasies, word u aandag gevestig op u verantwoordelikhede as 'n B&GP, naamlik u moet:

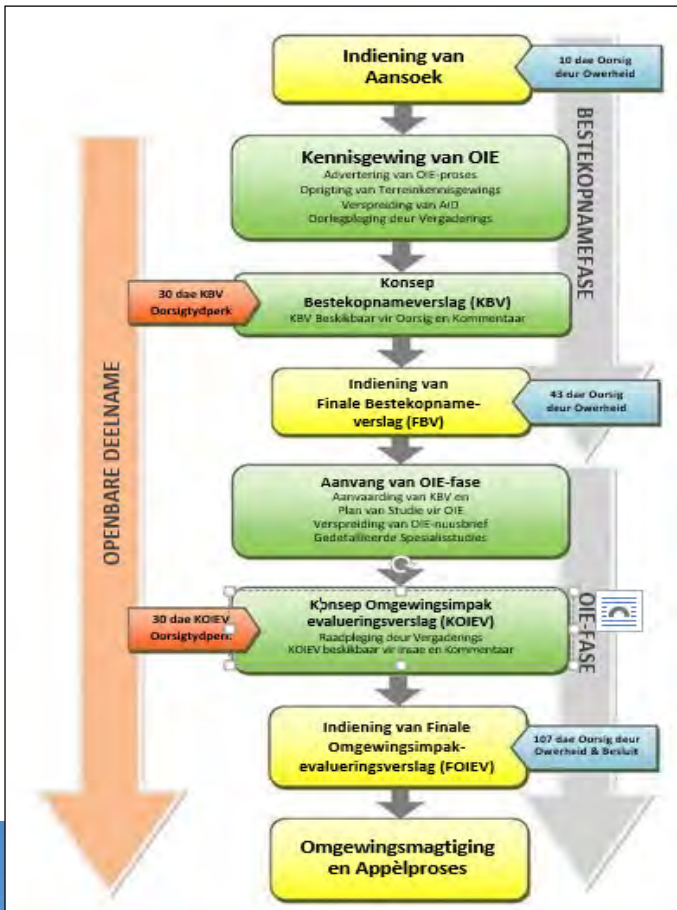
- aan die OIE- en BE-proses deelneem en uself op die projek se databasis registreer;
- enige ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of deur die beoogde projek geaffekteer word, in kennis stel van die OIE- en BE-proses en hulle aanmoedig om betrokke te raak; en
- toesien dat enige kommentaar rakende die beoogde projek binne die afgekondigde tydsraamwerke wat aan u gekommunikeer sal word, ingedien word.

**Ons verantwoordelikhede as die onafhanklike OEP**

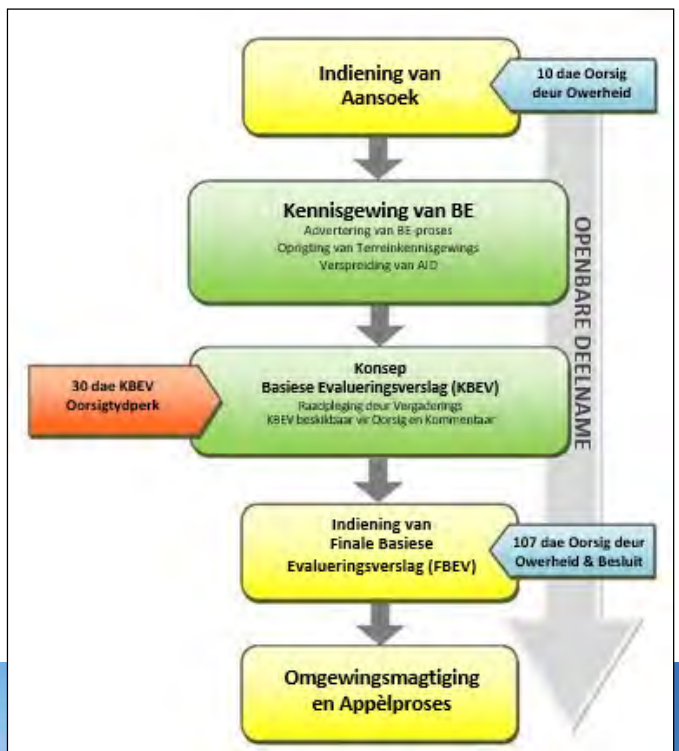
Ingevolge die OIE-regulasies, sluit ons verantwoordelikhede in die openbare raadplegingsproses in om toe te sien dat:

- u van voldoende inligting rakende die beoogde projek voorsien word, hetsy deur die AID of deur inligting te verskaf soos en wanneer dit versoek word;
- u 'n begrip van die beoogde projek het ten einde ingeligte kommentaar te kan lewer en om u in staat te stel om enige knelpunt op ingeligte wyse in te dien; en
- die volgende stappe met ontvangs van enige kommentaar/navraag/kwessie geneem word:
  - Die kontakbesonderhede wat u verstrek het, sal in die projek se databasis ingevoer word;

**Figuur 3: Diagram van OIE-proses**



**Figuur 4: Diagram van BE-proses**



- o alle verdere inligtingstukke sal aan u gestuur word; en
- o indien u navrae of kommentaar aan ons stuur, sal ons skriftelik daarop antwoord (hetsy per e-pos of in die kommentaar- en antwoordverslag).

### Hoe om betrokke te raak

Indien u as 'n B&GP wil registreer, kan u dit doen deur:

- te reageer (telefonies, per faks, pos of e-pos) op ons uitnodiging vir u deelname, wat in die pers geadverteer is;
- die aangehegte Registrasie- en Kommentaarvorm aan SiVEST te pos, te faks of te e-pos.
- die vergaderings by te woon wat gedurende die verloop van die projek gehou sal word. Indien u as 'n B&GP registreer, sal u outomaties uitgenooi word om hierdie vergaderings by te woon;
- telefonies met ons in verbinding te tree indien u 'n navraag of kommentaar het of verdere projekinligting verlang; en
- kommentaar oor die Konsep Bestekopnameverslae (KBV's) en/of die Konsep Omgewingsimpakevalueringsverslae (KOIV's) en/of die Konsep Basiese Evalueeringsverslae (KBEV's) in te dien binne die oorsigtydperke wat uiteengesit sal word.

Indien u uself as B&GP vir hierdie beoogde projek ag, moedig ons u aan om gebruik te maak van die geleentheid wat deur die openbare deelnameproses geskep word om aktief by die proses betrokke te raak en om kommentaar te lewer of daardie vraagstukke of knelpunte te opper wat u raak en/of waarin u belangstel en waarvoor u meer inligting verlang. U inset in hierdie proses vorm 'n belangrike deel van die omgewingstudies en ons hoor graag van u om u siening oor die beoogde projek in te win. Deur die meegaande Registrasie- en Kommentaarvorm in te vul en in te dien, registreer u uself outomaties as 'n B&GP vir hierdie beoogde projek en verseker u dat kennis geneem sal word van die kommentaar en/of knelpunte wat u opper en dat dit aangespreek sal word. Die omgewingskonsultante sal reageer op alle kommentaar en navrae wat tydens die verloop van die OIE of BE ontvang word.

*Neem asseblief kennis dat alle tersaaklike publieke dokumente van SiVEST se webwerf afgelaai kan word*



### Ons sien uit na u bydraes

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E-pos: [andrag@sivest.co.za](mailto:andrag@sivest.co.za) / [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za)

Faks: 011 803 7272

Webwerf: [www.sivest.co.za](http://www.sivest.co.za)

### LYS MET AKRONIEME

<b>AID</b>	Agtergrondinligtingsdokument	<b>KBV</b>	Konsep Bestekopnameverslag
<b>B&amp;GP</b>	Belangstellende en/of Geaffekteerde Party	<b>Km</b>	Kilometer
<b>BE</b>	Basiese Evalueering	<b>KOIV</b>	Konsep Omgewingsimpakevalueringsverslag
<b>DO</b>	Departement van Omgewingsake	<b>kV</b>	Kilovolt
<b>FBEV</b>	Finale Basiese Evalueeringsverslag	<b>MW</b>	Megawatt
<b>FOIEV</b>	Finale Omgewings-impakevalueringsverslag	<b>NEMA</b>	Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998)
<b>FV</b>	Fotovoltaïes	<b>OBPr</b>	Omgewingsbestuursprogram
<b>Ha</b>	Hektaar	<b>OEP</b>	Omgewings-evalueeringspraktisyn
<b>KBEV</b>	Konsep Basiese Evalueeringsverslag	<b>OIE</b>	Omgewingsimpakevalueering

OIE's VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE  
EN BE's VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY  
LOERIESFONTEIN, NOORD-KAAPPROVINSIE

## REGISTRASIE- EN KOMMENTAARVORM

Vergesel Agtergrondinligtingsdokument: Februarie 2017

Openbare Deelnamekantoor



Andrea Gibb / Stephan Jacobs  
SIVEST Environmental  
Posbus 2921, RIVONIA, 2128  
Tel: 011 798 0600  
Faks: 011 803 7272  
E-pos: andreag@sivest.co.za /  
stephanj@sivest.co.za

Vul asseblief in en stuur dit per pos, faks of e-pos terug aan die Openbare Deelnamekantoor (soos hierbo).

TITEL		VOORNAAM	
VOORLETTERS		VAN	
INSTANSIE		E-POS	
POSADRES		POSKODE	
TEL. NO.		FAKS NO.	

### REGISTRASIE AS BELANGSTELLELENDE EN/OF GEAFFEKTEERDE PARTY (B&GP) (omkring asb. die toepaslike blokkie)

Registreer my asseblief formeel as 'n belangstellende en geaffekteerde party (B&GP) sodat ek verdere inligting en kennisgewings tydens die OIE- en BE proses kan ontvang.	JA	NEE
Ingevolge Staatskennisgewing R982 (2014 OIE-regulasies) maak ek hieronder enige regstreekse sake, finansiële, persoonlike of ander belang wat ek kan hê in die goedkeuring of afkeuring van die aansoek om omgewingsmagtiging bekend (gebruik gerus aparte bladsye indien u wil): ..... .....		

KOMMENTAAR (gebruik gerus aparte bladsye indien u wil)

Ek stel voor dat die volgende knelpunte in die OIE / BE ondersoek word:

.....  
.....  
.....

Ek stel die volgende vir die OIE- / BE-proses en/of die openbare deelnameproses voor:

.....  
.....  
.....

Enige ander kommentaar:

.....  
.....  
.....  
.....  
.....

Tree asseblief in verbinding met my onderstaande kollegas/vriende om as B&GP's vir hierdie OIE / BE te register (naam en kontakbesonderhede, bv. e-posadres):

.....  
.....

Handtekening

Datum

DANKIE VIR U BYDRAE

EIAs FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS, AND BAs FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

**Public Participation Office**



Andrea Gibb / Stephan Jacobs  
 SiVEST Environmental  
 PO Box 2921, RIVONIA, 2128  
**Tel** (011) 798 0600  
**Fax** (011) 803 7272  
**Email** andreag@sivest.co.za /  
 stephanj@sivest.co.za

**REGISTRATION AND COMMENT FORM**

Accompanying Background Information Document: February 2017

*Please complete and return by post, fax or e-mail to the Public Participation Office (as above)*

<b>TITLE</b>		<b>FIRST NAME</b>	
<b>INITIALS</b>		<b>SURNAME</b>	
<b>ORGANISATION</b>		<b>EMAIL</b>	
<b>POSTAL ADDRESS</b>			
		<b>POSTAL CODE</b>	
<b>TEL NO</b>		<b>FAX NO</b>	

**REGISTRATION AS INTERESTED AND/OR AFFECTED PARTY (I&AP) (please circle applicable box)**

Please <b>formally register me as an interested and affected party (I&amp;AP)</b> so that I may receive further information and notifications during the EIA and BA processes.	<b>YES</b>	<b>NO</b>
In terms of GNR 982 (2014 EIA regulations) I disclose below any direct business, financial, personal or other interest that I may have in the granting or rejection of the application for environmental authorisation (please use separate sheets if you wish): ..... .....		

**COMMENTS** (please use separate sheets if you wish)

I suggest that the following issues of concern be investigated in the EIA / BA:

.....  
 .....

I suggest the following for the EIA / BA process and / or the public participation process:

.....  
 .....

Any other comments:

.....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....

Please contact the following colleagues/friends to register as I&APs for this EIA / BA (name and contact details e.g. e-mail address):

.....  
 .....

\_\_\_\_\_  
 Signature

**THANK YOU FOR YOUR CONTRIBUTION**

\_\_\_\_\_  
 Date

Your reference N/A  
Our reference 13622  
Date 09 February 2017

Dear Interested and/or Affected Party

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE (DEA REFERENCE NUMBERS TO BE ANNOUNCED)**

• **INVITATION TO PARTICIPATE IN THE EIA AND BA PROCESSES**

In terms of the EIA Regulations, 2014 and the National Environmental Management Act, 1998 (Act No. 107 of 1998), SiVEST SA (Pty) Ltd (hereafter referred to as SiVEST) has been appointed as the independent Environmental Assessment Practitioner (EAP) by South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as Mainstream) to conduct the EIA processes for the proposed development of four (4) Wind Farms and associated infrastructure, and the BA processes for the four (4) associated grid connections. The proposed projects are located in the Northern Cape, and will be referred to as: Graskoppies Wind Farm, Xha! Boom Wind farm, Hartebeest Leegte Wind Farm, Ithemba Wind Farm, Graskoppies Grid Connection, Xha! Boom Grid Connection, Hartebeest Leegte Grid Connection and Ithemba Grid Connection.

SiVEST would like to invite you, as a potential Interested and/or Affected Party (I&AP), to become actively involved in the EIA, BA and public participation process for this proposed project. The aim of this process is as follows:

- to ensure that all the relevant environmental impacts are taken into consideration;
- to ensure public input; and
- provide decision-makers with sufficient information to make an informed decision on the proposed activities.

Attached is the Background Information Document (BID) which contains information regarding the proposed project as well as the EIA, BA and public participation process.

By completing and submitting the accompanying registration and comment form, you will be registered as an I&AP on the project database.

We would like to thank you, in advance, for becoming part of the public participation process and are looking forward to receiving your valuable comments relating to the proposed project.

Yours sincerely



Andrea Gibb  
Environmental Practitioner  
**SiVEST Environmental Division**

**encl:** Background Information Document (BID)  
Registration and Comment Form

U verwysing NVT  
Ons verwysing 13622  
Datum 09 Februarie 2017

Geagte Belangstellende en/of Geaffekteerde Party

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE (DO VERWYSINGSNOMMERS SAL AANGEKONDIG WORD)**

• **UITNODIGING OM DEELNAME IN DIE OIE- EN BE-PROSESSE**

South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna Mainstream genoem) het SiVEST SA (Edms.) Bpk. (hierna SiVEST genoem) ingevolge die OIE-regulasies, 2014, en die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998), aangestel as die onafhanklike Omgewingsevalueringspraktisyn (OEP) om die OIE-prosesse vir die beoogde ontwikkeling van vier (4) Windplase en gepaardgaande infrastruktuur en die BE-prosesse vir die vier (4) gepaardgaande roosterkonneksies te onderneem. Die beoogde projekte is in die Noord-Kaap geleë, en sal na verwys word as die: Graskoppies Windplaas, Xha! Boom Windplaas, Hartebeest Leegte Windplaas, Ithemba Windplaas, Graskoppies Roosterkonneksie, Xha! Boom Roosterkonneksie, Hartebeest Leegte Roosterkonneksie en Ithemba Roosterkonneksie.

SiVEST wil u, as 'n potensiële Belangstellende en/of Geaffekteerde Party (B&GP), uitnooi om aktief by die OIE-, BE- en openbare deelnameproses vir hierdie beoogde projek betrokke te raak. Die doel van hierdie proses is om:

- toe te sien dat oorweging aan al die tersaaklike omgewingsimpakte geskenk is;
- openbare insette te verseker; en
- besluitnemers van voldoende inligting te voorsien om 'n ingeligte besluit oor die beoogde aktiwiteite te neem.

Aangeheg is die Agtergrondinligtingsdokument (AID) wat inligting oor die beoogde projek, asook die OIE-, BE- en openbare deelnameproses bevat.

Deur die meegaande registrasie- en kommentaarvorm in te vul en in te dien, sal u as 'n B&GP op die projek se databasis geregistreer word.

Ons bedank u by voorbaat dat u deel word van die openbare deelnameproses en ons sien uit daarna om u waardevolle insette betreffende die beoogde projek te ontvang.

Die uwe



Andrea Gibb  
Omgewingspraktisyn  
**SiVEST Omgewingsafdeling**

**Ingeslote dokumentasie:** Agtergrondinligtingsdokument (AID)  
Registrasie- en Kommentaarvorm

## Andrea Gibb

---

**From:** sivest\_PPP  
**Sent:** Thursday, 09 February 2017 3:51 PM  
**Cc:** Andrea Gibb; 'Nicolene Venter'; Veronique Evans; Stephan Jacobs  
**Subject:** Four Proposed Wind Farms near Loeriesfontein: EIA Commencing  
**Attachments:** 13622\_Leeuwberg Wind Farm and grid connenction EIAs and BAs\_Invite Lette....pdf; 13622\_Leeuwberg Wind Farm and grid connenction EIAs and BAs\_Invite Lette....pdf; 13622 LEEUWBERG JAN 2017 AFR.PDF; 13622 LEEUWBERG JAN 2017.pdf; 13622\_Leeuwberg Wind Farm and grid connenction EIAs and BAs\_Comment Form....pdf; 13622\_Leeuwberg Wind Farm and grid connenction EIAs and BAs\_Comment Form....pdf

\*\*\*\*\* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.\*\*\*\*\*

Dear Stakeholder

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE (DEA REFERENCE NUMBERS TO BE ANNOUNCED)

Please note that SIVEST SA (Pty) Ltd has been appointed as the independent Environmental Assessment Practitioner (EAP) by South Africa Mainstream Renewable Power Developments (Pty) Ltd to conduct the EIA processes for the proposed development of four (4) Wind Farms and the BA processes for the four (4) associated grid connections. The proposed projects are located in the Northern Cape Province near Loeriesfontein and are referred to as: Graskoppies Wind Farm, Xha! Boom Wind farm, Hartebeest Leegte Wind Farm, Ithemba Wind Farm, Graskoppies Grid Connection, Xha! Boom Grid Connection, Hartebeest Leegte Grid Connection and Ithemba Grid Connection.

Attached, for your attention are; the Background Information Document (BID), Invitation Letter and Registration and Comment Form for the proposed project. The documents are provided in English and Afrikaans for your convenience.

Kind Regards,

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management) Environmental Practitioner and Visual Specialist SIVEST Environmental Division

SIVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 Tel +27 11 798 0600 fax +27 11 803 7272  
email [andreas@sivest.co.za](mailto:andreas@sivest.co.za) website [www.sivest.co.za](http://www.sivest.co.za)

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners  
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

## Andrea Gibb

---

**From:** sivest\_PPP  
**Sent:** Monday, 19 June 2017 3:54 PM  
**Cc:** Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'  
**Subject:** Four Proposed Wind Farms near Loeriesfontein: Revised BID

**Categories:** Leeuwborg

**\*\*\*\*\* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account. \*\*\*\*\***

Dear Interested and/or Affected Party

### ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Graskoppies Wind Farm – (DEA Ref No: To be announced)
- Xha! Boom Wind Farm – (DEA Ref No: To be announced)
- Hartebeest Leegete Wind Farm – (DEA Ref No: To be announced)
- Ithemba Wind Farm – (DEA Ref No: To be announced)
- Graskoppies Grid Connection – (DEA Ref No: To be announced)
- Xha! Boom Grid Connection – (DEA Ref No: To be announced)
- Hartebeest Leegete Grid Connection – (DEA Ref No: To be announced)
- Ithemba Grid Connection – (DEA Ref No: To be announced)

Please note that SIVEST SA (Pty) Ltd was appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects. In October 2016, all interested and/or affected parties (I&APs) were invited to participate in the Environmental Impact Assessment (EIA) processes for the wind farm developments and the Basic Assessment (BA) processes for the associated grid connections and were sent a Background Information Document (BID). Since this communication there have been some changes to the proposed developments which include the following;

- The addition of a new power line assessment corridor;
- A change in the generation capacity of the wind farms; and
- A change in the maximum hub height and rotor diameter.

As such, the BID has been updated based on the above changes and is attached for your perusal.

Kindly note that the Draft Scoping Reports (DSRs) will be available for public comment in June 2017 and you will be notified accordingly.



13622 Mainstream  
Wind Farm Upd...



13622 Mainstream  
Wind Farm Upd...



13622  
LEEUBWBERG JU...



13622  
LEEUBWBERG JU...

Kind Regards

\*\*\*\*\*

Geagte Belangstellende en/of Geaffekteerde Party

### OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE

- Graskoppies Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegete Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Windplaas – (DO Verw. No.: Moet nog aangekondig word)



- **Graskoppies Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)**
- **Xha! Boom Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)**
- **Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)**
- **Ithemba Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)**

Neem asseblief kennis dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. vir SiVEST SA (Edms.) Bpk. aangestel het as die Omgewingsevalueringspraktisyn (OEP) vir die bogenoemde projekte. In Oktober 2016 is alle belangstellende en/of geaffekteerde partye (B&GP's) genooi om deel te neem aan die Omgewingsimpakevalueringsprosesse (OIE-prosesse) vir die windplaasontwikkelings en die Basiese Evalueeringsprosesse (BE-prosesse) vir die gepaardgaande roosterkonneksies en 'n Agtergrondinligtingsdokument (AID) is aan hulle gestuur. Sedert hierdie skrywe was daar sekere veranderinge aan die beoogde ontwikkelings wat die volgende insluit:

- Die byvoeging van 'n nuwe kraglynkorridor vir evaluering;
- 'n verandering aan die opwekkingsvermoë van die windplase; en
- 'n verandering aan die maksimum naafhoogte en rotordeursnee.

Die AID is dienooreenkomstig bygewerk op grond van die bogenoemde veranderinge en aangeheg vir u insae.

Let asseblief daarop dat die Konsep Bestekopnameverslae (KBV's) in Junie 2017 beskikbaar sal wees vir openbare kommentaar en u sal dienooreenkomstig verwittig word.

Vriendelike groete

Kind Regards,

**Andrea Gibb** (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)  
 Environmental Practitioner and Visual Specialist  
**SiVEST Environmental Division**



SiVEST is a Level 3 BBBEE Contributor

**Direct** +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272  
**email** [andrea@sivest.co.za](mailto:andrea@sivest.co.za) **website** [www.sivest.co.za](http://www.sivest.co.za)




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**Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners**  
 Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

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Your reference:

Our reference: 13622

Date: 19 June 2017

Dear Interested and/or Affected Party

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

- **Graskoppies Wind Farm – (DEA Ref No: To be announced)**
- **Xha! Boom Wind Farm – (DEA Ref No: To be announced)**
- **Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)**
- **Ithemba Wind Farm – (DEA Ref No: To be announced)**
- **Graskoppies Grid Connection – (DEA Ref No: To be announced)**
- **Xha! Boom Grid Connection – (DEA Ref No: To be announced)**
- **Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)**
- **Ithemba Grid Connection – (DEA Ref No: To be announced)**

Please note that SiVEST SA (Pty) Ltd was appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects. In October 2016, all interested and/or affected parties (I&APs) were invited to participate in the Environmental Impact Assessment (EIA) processes for the wind farm developments and the Basic Assessment (BA) processes for the associated grid connections and were sent a Background Information Document (BID). Since this communication there have been some changes to the proposed developments which include the following;

- The addition of a new power line assessment corridor;
- A change in the generation capacity of the wind farms; and
- A change in the maximum hub height and rotor diameter.

As such, the BID has been updated based on the above changes and is attached for your perusal.

Kindly note that the Draft Scoping Reports (DSRs) will be available for public comment in June 2017 and you will be notified accordingly.

Kind Regards,



Andrea Gibb  
 Senior Manager  
**SiVEST Environmental Division**

Documents attached: Updated BID

U verwysing:

Ons verwysing: 13622

Datum: 19 Junie 2017

Geagte Belangstellende en/of Geaffekteerde Party

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

- Graskoppies Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegte Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Graskoppies Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)

Neem asseblief kennis dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. vir SiVEST SA (Edms.) Bpk. aangestel het as die Omgewingsevalueringpraktisyn (OEP) vir die bogenoemde projekte. In Oktober 2016 is alle belangstellende en/of geaffekteerde partye (B&GP's) genooi om deel te neem aan die Omgewingsimpakevalueringprosesse (OIE-prosesse) vir die windplaasontwikkelings en die Basiese Evalueringprosesse (BE-prosesse) vir die gepaardgaande roosterkonneksies en 'n Agtergrondinligtingsdokument (AID) is aan hulle gestuur. Sedert hierdie skrywe was daar sekere veranderinge aan die beoogde ontwikkelings wat die volgende insluit:

- Die byvoeging van 'n nuwe kraglynkorridor vir evaluering;
- 'n verandering aan die opwekkingsvermoë van die windplase; en
- 'n verandering aan die maksimum naafhoogte en rotordeursnee.

Die AID is dienooreenkomstig bygewerk op grond van die bogenoemde veranderinge en aangeheg vir u insae.

Let asseblief daarop dat die Konsep Bestekopnameverslae (KBV's) in Junie 2017 beskikbaar sal wees vir openbare kommentaar en u sal dienooreenkomstig verwittig word.

Vriendelike groete



Andrea Gibb  
Senior Bestuurder  
**SiVEST Omgewingsafdeling**

Aangehegte dokumentasie: Bygewerkte AID

## OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE

- Graskoppies Windplaas – (DO Verw. No.: Moet aangekondig word)
- Xha! Boom Windplaas – (DO Verw. No.: Moet aangekondig word)
- Hartebeest Leegte Windplaas – (DO Verw. No.: Moet aangekondig word)
- Ithemba Windplaas – (DO Verw. No.: Moet aangekondig word)
- Graskoppies Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
- Xha! Boom Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
- Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
- Ithemba Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)

### INLEIDING

South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) beoog die ontwikkeling van vier (4) Windplase naby Loeriesfontein in die Noord-Kaapprovinsie. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, Xha! Boom Windplaas, Hartebeest Leegte Windplaas en Ithemba Windplaas. Daarbenewens beoog Mainstream om vier (4) 132 kV kraglyne, vier (4) 33 kV/132 kV interne substasies en 'n 132 kV Skakelstasie (hierna "roosterkonneksies" genoem) op te rig om die beoogde windplase met die nasionale kragnet by die Helios Substasie te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elk van die windplase 'n aparte Omgewingsmagtiging (OM) vereis. Daarbenewens sal elk van die roosterkonneksies ook 'n aparte OM vereis.

Die Omgewingsimpevaluerings (OIE's) en Basiese Evaluerings (BE's) sal ingevolge die 2014 OIE-regulasies onderneem word wat kragtens Artikel 5 van die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) afgekondig is, wat op 8 Desember 2014 in werking getree het. Ingevolge hierdie regulasies, sal OIE's vereis word vir die beoogde windplase en BE's sal vereis word vir die gepaardgaande roosterkonneksies. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elk van die windplase en die gepaardgaande roosterkonneksies apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) beoogde projekte onderneem. Die potensiele omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

Alle tersaaklike wetgewing en riglyne (insluitend die Ekwatorbeginsels) sal tydens die OIE- en BE-prosesse geraadpleeg en ten alle tye aan voldoen word. Mainstream het SiVEST SA (Edms.) Bpk. (hierna SiVEST genoem) derhalwe as die onafhanklike omgewingsevalueringstryksyn (OEP) aangestel om die nodige OIE- en BE-prosesse ingevolge NEMA te onderneem.

### DOEL VAN HIERDIE DOKUMENT

Die doel van hierdie Agtergrondinligtingsdokument (AID) is om Belangstellende en/of Geaffekteerde Partye (B&GP's) in te lig oor die OIE- en BE-prosesse wat vir die beoogde ontwikkeling onderneem word.

- Benewens die verskaffing van inligting oor die beoogde projek en die omgewingsprosesse, sal hierdie AID ook aan B&GP's die geleentheid bied om:
- die beoogde ontwikkeling beter te verstaan ten einde kommentaar te lewer en knelpunte te opper;
- die OIE- en BE-prosesse te verstaan ten einde doeltreffend daaraan te kan deelneem;
- voorstelle te maak om die beoogde ontwikkeling te verbeter;
- kommentaar te lewer oor die spesialisstudies wat onderneem gaan word; en
- plaaslike kennis by te dra.

### AGTERGROND BETREFFENDE DIE BEOOGDE PROJEK

Ter ondersteuning van die behoefte om oplossings vir die huidige elektrisiteitstekorte te vind, die groeiende vraag na krag en die behoefte om meer volhoubare en omgewingsvriendelike kraghulpbronne te vind, het Suid-Afrika 'n infrastruktuur-groei-program van stapel gestuur gesteun deur verskeie regeringsinisiatiewe. In antwoord op hierdie doelwit, beoog Mainstream om die vier (4) Windplase en gepaardgaande infrastruktuur en die vier (4) roosterkonneksies naby Loeriesfontein in die Noord-Kaapprovinsie te ontwikkel. Die algehele doelwit van die projek is om elektrisiteit op te wek om aan die hand van hernubare kragtegnologie by die Helios Substasie in die nasionale kragrooster in te voer.

### WAAROM WINDKRAG GEBRUIK?

Die voordele van die gebruik van windkrag sluit in:

- windkrag is hernubbaar, skoon en besoedel nie (geen kweekhuysgasse, ens.) en lewer geen nuwe produkte (atmosferiese kontaminante of termiese besoedeling) op wat skadelik vir die omgewing kan wees nie;

- windplase is oor die algemeen baie gepas vir plattelandse omgewings en derhalwe het dit 'n kleiner impak op landbou in vergelyking met ander kragopwekkingsopsies; windturbines kan ook bydra tot ekonomiese groei in hierdie streke;
- windturbines maak gebruik van relatief eenvoudige tegnologie met betrekking tot ontwerp en konstruksie;
- windkrag is mededingend geprys in vergelyking met ander hernubare kragbronne;
- plaaslike produksie van krag verminder verliese deur transmissielyste wat gepaard gaan met die oorblywing van elektrisiteit oor lang afstande;
- die gebruik van windturbines verminder die gebruik van steenkool en ander fossielbrandstowwe met hul gepaardgaande vrystellings van kweekhuysgasse; en
- windplase verbeter Suid-Afrika se kragsekerheid, wat sodoende afhanklikheid van fossielbrandstowwe verminder.

## HOE WERK 'N WINDTURBINE?

Windturbines is op 'n toring gemonteer om windkrag in te span. Die kinetiese energie wat deur die wind opgewek word, word ingespan om 'n turbine se skroewe te draai ten einde elektrisiteit op te wek. Die windturbines word opgerig teen 'n hoogte van hoogstens 160 m bo die grond en trek voordeel uit die vinnigste en minste turbulente wind. Gewoonlik is twee tot drie skroewe op 'n skag gemonteer om 'n rotor te vorm. Die turbinehuis (nacelle) is aan die spits van die naaf en bevat die generator, beheertoerusting, ratkas en anemometer om die windsnelheid en -rigting te monitor. Die meganiese krag wat deur die draaiende skroewe opgewek word, word aan die generator oorgedra deur 'n ratkas en dryfwerk wat die draaiende beweging van die skroewe omskakel in elektrisiteit.

Windturbines is gewoonlik ontwerp om vir meer as 20 jaar ononderbroke en met minimale onderhoud te werk. Wanneer 'n windkragaanleg eers in bedryf is, kan dit van elders gemonitor en beheer word, met 'n mobiele span vir onderhoud wanneer dit nodig is.

## TEGNIËSE BESONDERHEDE VAN 'N WINDPLAAS

Op hierdie stadium sal elk van die beoogde windplase, bestaande uit die turbines en gepaardgaande infrastruktuur, oor 'n totale opwekkingsvermoë tot en met 235MW beskik. Die aantal windturbines sal gedurende die OIE-proses bepaal word. Die opgewekte elektrisiteit sal aan die hand van 'n 132 kV-kraglyn by die Helios Substasie in die nasionale kragnet ingevoer word.

### Windturbines

Die grootte van die windturbines sal afhang van die gebied wat ontwikkel word en die totale opwekkingsvermoë wat gevolglik geproduseer kan word. Die windturbines sal derhalwe oor 'n naafhoogte van hoogstens 160 m en 'n rotordeursnee van hoogstens 160 m beskik. Die skroewe se rotasierigting sal afhang van inligting uit windmeting wat later in die proses ontvang sal word. Die elektriese opwekkingsvermoë vir elke turbine sal varieer tussen 3MW en 5MW, afhangend van die finale windturbine waarop vir die beoogde ontwikkeling besluit word.

### Windplaa se Elektriese Infrastruktuur

Die windturbines sal met die substasie verbind word deur gebruik te maak van ondergrondse mediumspanningskabels (tot 'n diepte van 1,5 m) (Figuur 1), behalwe waar 'n tegniese evaluering van die beoogde ontwerp daarop dui dat oorhoofse kraglyne geskik is, soos oor riviere of klowe. Waar oorhoofse kraglyne opgerig moet word, sal enkel-masstrukture gebruik word, tesame met staal-traliemaste by punte waar die lyne van rigting verander. Die afmetings van die enkelmas-strukture sal afhang van roosterveiligheidsvereistes en die roosteroperateur. Die presiese ligging van die maste en die finale ontwerp sal afhang van Eskom se vereistes. Soos genoem sal die beoogde windplaa aan die hand van 'n 132 kV kraglyn oor 'n afstand van hoogstens 48 km by die Helios Substasie by die nasionale kragnet aansluit.

'n Nuwe substasie en gepaardgaande transformators sal ontwikkel word wat die opgewekte elektrisiteit aan die nasionale kragnet sal voorsien. Die konneksie van die substasie af tot by die nasionale roosterlyn, sal 'n oorhoofse kraglyn wees, soos hierbo genoem.

### Paaie

Toegangspaaie se wydte en ligging sal gedurende die OIE- en BE-prosesse bepaal word.

### Konstruksieopslagwerf

'n Tydelike opslagwerf sal vir die beoogde ontwikkeling opgerig word en sal 'n toegangspad en kontrakteur se terreinkantoor insluit.

Ander infrastruktuur sluit in:

- bedryfs- en instandhoudingsgeboue;
- 'n omheining; en
- 'n skakelstasie.

Sou meer as een windplaa 'n OM en 'n lisensie van die DO ontvang, sal die opsie oorweeg word om die Skakelstasie en die 132 kV kraglyn te deel.

### PROJEKLISSING

Die Windplaa-projekgebied sal sowat 62 km noord van Loeriesfontein in die Khai-ma en Hantam Plaaslike Munisipaliteit in die Noord-Kaapprovinsie geleë wees.

Die aansoekterreine vir die vier (4) beoogde Windplase en gepaardgaande roosterkonneksie-alternatiewe word op die liggingskaart aangedui (Figuur 2).

Die roete-alternatiewe vir die vier (4) beoogde 132 kV kraglyne in die Projekgebied en die ligging van die vier (4) beoogde 33 kV/132 kV interne substasie-alternatiewe sal gedurende die OIE- en BE-prosesse voorsien word.

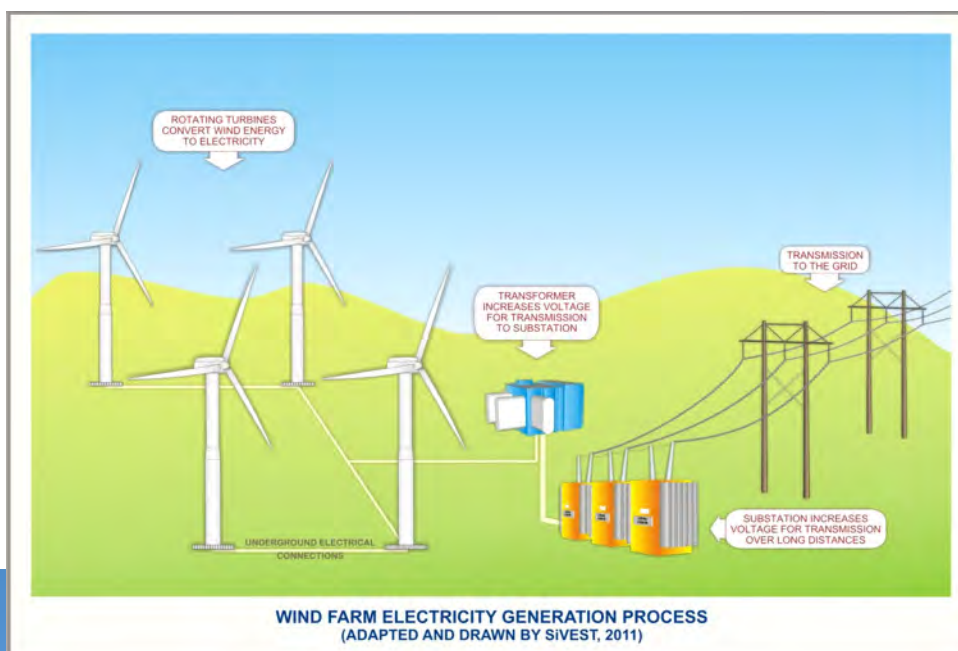
### OIE- / BE-PROSESSE

#### Wat is 'n OIE?

'n OIE is 'n proses waardeur inligting wat tersaaklik is vir die oorweging van 'n betrokke omgewingsaansoek versamel, saamgevoeg, ontleed, vertolk en gekommunikeer word. OIE's word deur beplanningsowerhede/ontwikkelaars gebruik om 'n onafhanklike en objektiewe siening van die potensiele omgewingsimpakte (biofisies en maatskaplik) te verkry wat tydens die oprigting en bedryf van die beoogde ontwikkeling kan opduik. Hierdie inligting moet die Bevoegde Owerheid 'n konkrete grondslag vir hul besluitneming bied.

#### Wat is 'n BE?

'n BE is 'n proses soortgelyk aan 'n OIE, maar word onderneem waar die impakte minder waarskynlik is om 'n wesenlike impak op die ontvangsomgewing te hê. Soos OIE's, identifiseer BE's potensiele omgewingsimpakte en voorsien die Bevoegde Owerheid van 'n konkrete grondslag vir hul besluitneming.



**Figuur 1: Konseptuele windplaa kragopwekkingsproses wat elektriese konneksies aandui**



**Wetlike vereistes**

Ingevolge NEMA, soos gewysig, moet 'n OIE-proses vir die beoogde windplase onderneem word aangesien elk van die beoogde projekte aanleiding gee tot verskeie gelyste kennisgewing 2-aktiwiteite (Staatskennisgewing R984). 'n BE-proses word benodig vir die gepaardgaande roosterkonneksies, aangesien elk van die beoogde projekte aanleiding gee tot verskeie gelyste kennisgewing 1-aktiwiteite (Staatskennisgewing R983). Die OIE- en BE-prosesse wat gevolg sal word, word in Figuur 3 en Figuur 4 hieronder uiteengesit.

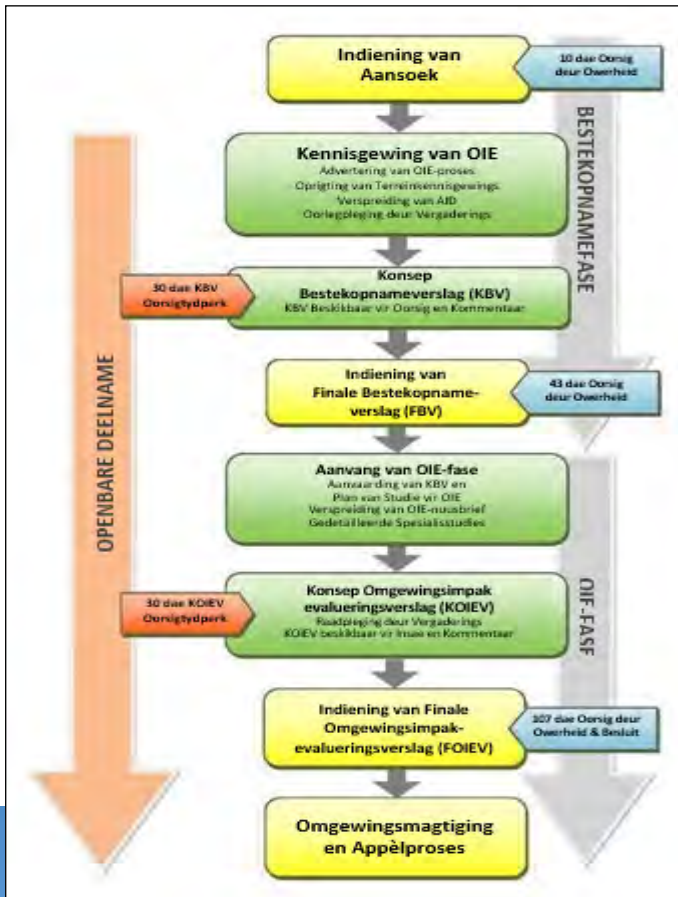
**Bevoegde Owerheid**

Die Nasionale Departement van Omgewingsake (DO) is die bevoegde owerheid vir hierdie beoogde projek. Omgewingskwessies wat tydens die OIE en BE ondersoek moet word. Verskeie omgewingsparameters is vir die beoogde ontwikkeling geïdentifiseer wat ondersoek sal verg. Dit word in Tabel 1 hieronder gelys.

**Tabel 1: Lys van spesialiste en spesialisstudies wat vir die beoogde ontwikkeling onderneem moet word**

VAARDIGHEID	NAAM
Biodiversiteit	Simon Todd Consulting – Simon Todd
Avifauna	Chris van Rooyen Consulting – Chris van Rooyen
Vlermuis	Animalia
Oppervlakwater	SiVEST – Shaun Taylor
Landboupotensiaal en Grondsoorte	Johann Lanz
Erfenis en paleontologie:	PGS – Wouter Fourie
Visueel	SiVEST – Andrea Gibb / Stephan Jacobs
Geraas	Enviro-Acoustic Research - Morné de Jager
Sosio-ekonomies	Urban Econ – Elena Broughton
Openbare Deelname	Imaginative Africa – Nicolene Venter
GIS, Kartering en Visueel	SiVEST – Kerry Schwartz
Geotegnies en Verkeer	SMEC, South Africa - Glen Randall
Baanverlies-en-Risiko-evaluering vir die SKA	Interference Testing and Consultancy Services (ITC) - Callie Fouche

**Figuur 3: Diagram van OIE-proses**



**DIE OPENBARE DEELNAMEPROSES**

Openbare deelname is die hoeksteen van enige OIE of BE, soos ook die geval is vir hierdie beoogde projek. Die beginsels van NEMA beheer baie aspekte van 'n OIE of BE, insluitend openbare deelname. Die primêre doel van openbare deelname tydens hierdie OIE en BE sal wees om B&GP's te voorsien van voldoende en tersaaklike inligting en om deursigtige oorlegpleging op 'n deurlopende grondslag te onderneem ten einde doeltreffende deelname regdeur die OIE- en BE-prosesse te verseker. As deel van hierdie openbare deelnameproses sal u ook die geleentheid kry om kommentaar te lewer op die omgewingsbevindinge ingevolge die OIE- en BE-verslag (Bestekopname, Omgewingsimpakevaluering en Basiese Evaluering), wat tydens die proses beskikbaar gestel gaan word vir openbare oorsig en kommentaar.

Dit is belangrik dat tersaaklike B&GP's en Belanghebbendes uit die staanspoor van die beoogde projek geïdentifiseer en by die openbare deelnameproses betrek word. As 'n geregistreerde B&GP sal u persoonlike kennisgewings per e-pos, pos, faks en/of sms (waar van toepassing) ontvang, wat u in kennis stel van alle dokumente wat beskikbaar is vir kommentaar, wat die kommentaartydperke is en van die vergaderings wat voorlê.

**U verantwoordelikhede as 'n B&GP**

Ingevolge die OIE-regulasies, word u aandag gevestig op u verantwoordelikhede as 'n B&GP, naamlik u moet:

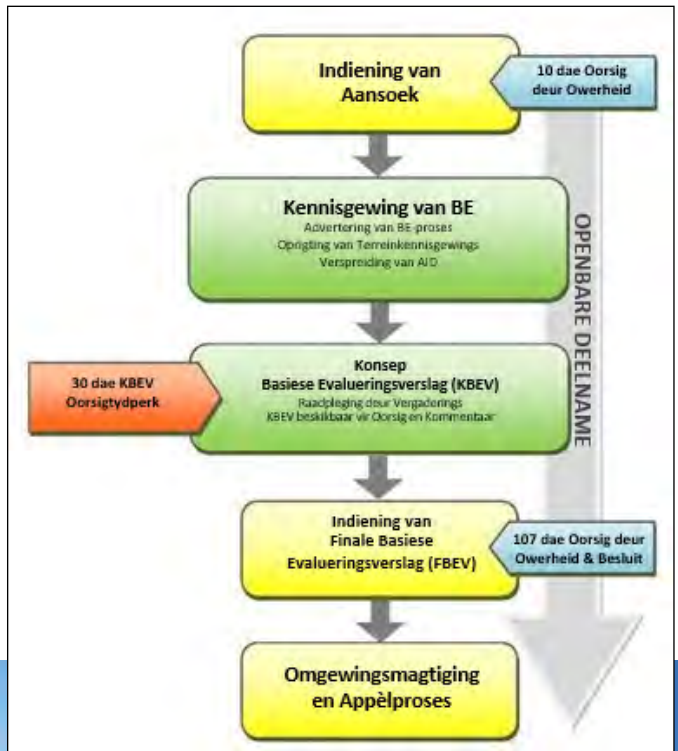
- aan die OIE- en BE-proses deelneem en uself op die projek se databasis registreer;
- enige ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of deur die beoogde projek geaffekteer word, in kennis stel van die OIE- en BE-proses en hulle aanmoedig om betrokke te raak; en
- toesien dat enige kommentaar rakende die beoogde projek binne die afgekondigde tydsraamwerke wat aan u gekommunikeer sal word, ingedien word.

**Ons verantwoordelikhede as die onafhanklike OEP**

Ingevolge die OIE-regulasies, sluit ons verantwoordelikhede in die openbare raadplegingsproses in om toe te sien dat:

- u van voldoende inligting rakende die beoogde projek voorsien word, hetsy deur die AID of deur inligting te verskaf soos en wanneer dit versoek word;
- u 'n begrip van die beoogde projek het ten einde ingeligte kommentaar te kan lewer en om u in staat te stel om enige knelpunt op ingeligte wyse in te dien; en
- die volgende stappe met ontvangs van enige kommentaar/navraag/kwessie geneem word:
  - o Die kontakbesonderhede wat u verstrek het, sal in die projek se databasis ingevoer word;

**Figuur 4: Diagram van BE-proses**



- o alle verdere inligtingstukke sal aan u gestuur word; en
- o indien u navrae of kommentaar aan ons stuur, sal ons skriftelik daarop antwoord (hetsy per e-pos of in die kommentaar- en antwoordverslag).

### Hoe om betrokke te raak

Indien u as 'n B&GP wil registreer, kan u dit doen deur:

- te reageer (telefonies, per faks, pos of e-pos) op ons uitnodiging vir u deelname, wat in die pers geadverteer is;
- die aangehegte Registrasie- en Kommentaarvorm aan SiVEST te pos, te faks of te e-pos.
- die vergaderings by te woon wat gedurende die verloop van die projek gehou sal word. Indien u as 'n B&GP registreer, sal u outomaties uitgenooi word om hierdie vergaderings by te woon;
- telefonies met ons in verbinding te tree indien u 'n navraag of kommentaar het of verdere projekinligting verlang; en
- kommentaar oor die Konsep Bestekopnameverslae (KBV's) en/of die Konsep Omgewingsimpakevalueringsverslae (KOIV's) en/of die Konsep Basiese Evalueeringsverslae (KBEV's) in te dien binne die oorsigtydperke wat uiteengesit sal word.

Indien u uself as B&GP vir hierdie beoogde projek ag, moedig ons u aan om gebruik te maak van die geleentehede wat deur die openbare deelnameproses geskep word om aktief by die proses betrokke te raak en om kommentaar te lewer of daardie vraagstukke of knelpunte te opper wat u raak en/of waarin u belangstel en waaroor u meer inligting verlang. U inset in hierdie proses vorm 'n belangrike deel van die omgewingstudies en ons hoor graag van u om u siening oor die beoogde projek in te win. Deur die meegaande Registrasie- en Kommentaarvorm in te vul en in te dien, registreer u uself outomaties as 'n B&GP vir hierdie beoogde projek en verseker u dat kennis geneem sal word van die kommentaar en/of knelpunte wat u opper en dat dit aangespreek sal word. Die omgewingskonsultante sal reageer op alle kommentaar en navrae wat tydens die verloop van die OIE of BE ontvang word.

*Neem asseblief kennis dat alle tersaaklike publieke dokumente van SiVEST se webwerf afgelaai kan word*



### Ons sien uit na u bydraes

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Webwerf: [www.sivest.co.za](http://www.sivest.co.za)

### LYS MET AKRONIEME

<b>AID</b>	Agtergrondinligtingsdokument	<b>KBV</b>	Konsep Bestekopnameverslag
<b>B&amp;GP</b>	Belangstellende en/of Geaffekteerde Party	<b>Km</b>	Kilometer
<b>BE</b>	Basiese Evalueering	<b>KOIV</b>	Konsep Omgewingsimpakevalueringsverslag
<b>DO</b>	Departement van Omgewingsake	<b>kV</b>	Kilovolt
<b>FBEV</b>	Finale Basiese Evalueeringsverslag	<b>MW</b>	Megawatt
<b>FOIEV</b>	Finale Omgewings-impakevalueringsverslag	<b>NEMA</b>	Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998)
<b>FV</b>	Fotovoltaïes	<b>OBPr</b>	Omgewingsbestuursprogram
<b>Ha</b>	Hektaar	<b>OEP</b>	Omgewingsevalueeringspraktisyn
<b>KBEV</b>	Konsep Basiese Evalueeringsverslag	<b>OIE</b>	Omgewingsimpakevalueering



## ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Graskoppies Wind Farm – (DEA Ref No: To be announced)
- Xha! Boom Wind Farm – (DEA Ref No: To be announced)
- Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)
- Ithemba Wind Farm – (DEA Ref No: To be announced)
- Graskoppies Grid Connection – (DEA Ref No: To be announced)
- Xha! Boom Grid Connection – (DEA Ref No: To be announced)
- Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)
- Ithemba Grid Connection – (DEA Ref No: To be announced)

### INTRODUCTION

South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") are proposing to develop four (4) Wind Farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, Xha! Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct (4) 132kV power lines, four (4) 33kV/132kV on-site substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect the proposed wind farms to the national grid at Helios Substation.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA.

The Environmental Impact Assessments (EIAs) and Basic Assessments (BAs) will be conducted in terms of the EIA Regulations, 2014 promulgated in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), which came into effect on the 8<sup>th</sup> of December 2014. In terms of these regulations, EIAs will be required for the proposed wind farms and BAs will be required for the associated grid connections. As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one for each associated grid connection. Although each wind farms and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

All relevant legislations and guidelines (including Equator Principles) will be consulted during the EIA and BA processes and will be complied with at all times. Mainstream has therefore appointed SiVEST SA (Pty) Ltd (hereafter referred to as SiVEST) as the independent environmental assessment practitioner (EAP), to undertake the required EIA and BA processes in terms of the NEMA.

### PURPOSE OF THIS DOCUMENT

The purpose of this Background Information Document (BID) is to inform Interested and/or Affected Parties (I&APs) about the EIA and BA processes that are being conducted for the proposed development.

In addition to supplying information about the proposed project and the environmental processes, this BID will also provide I&APs with the opportunity to:

- Better understand the proposed development in order to provide comments and raise issues of concern;
- Understand the EIA and BA process in order to participate effectively;
- Make suggestions to enhance the proposed development;
- Comment on the specialist studies that will be conducted; and
- Contribute local knowledge.

### BACKGROUND TO THE PROPOSED PROJECT

In support of, the need to find solutions for the current electricity shortages, the increasing demand for energy, as well as the need to find more sustainable and environmentally friendly energy resources, South Africa has embarked on an infrastructure growth programme supported by various government initiatives. In response to this goal; Mainstream are proposing to develop the four (4) Wind Farms and associated infrastructure and the four (4) grid connections near Loeriesfontein in the Northern Cape Province. The overall objective of the project is to generate electricity, by means of renewable energy technologies, to feed into the national grid at Helios Substation.

### WHY USE WIND ENERGY?

The benefits of using wind energy include:

- Wind energy is renewable, clean and non-polluting (greenhouse gases etc.), and does not produce by-products (atmospheric contaminants or thermal pollution) that could be harmful to the environment;
- Wind farms are generally well suited to rural areas and therefore have a reduced impact on agriculture compared to other electricity

generating options. Wind turbines can also contribute to economic growth in these regions;

- Wind turbines make use of relatively simple technology in terms of design and construction;
- Wind energy is competitively priced compared to other renewable energy sources;
- Localised production of energy reduces transmission line losses associated with transmitting electricity over long distances;
- The use of wind turbines reduces the use of coal and other fossil fuels with their associated emissions of greenhouse gases; and
- Wind farms improve energy security for South Africa, reducing dependency on fossil fuels.

### HOW DOES A WIND TURBINE WORK?

Wind turbines are mounted onto a tower to capture wind energy. The kinetic energy generated by the wind is used to turn the blades of the turbines to generate electricity. The wind turbines are erected at a height of up to 160m above the ground and take advantage of the fastest and less turbulent wind. Usually, 2 to 3 blades are mounted on a shaft to form a rotor. The nacelle sits on top of the hub and contains the generator, control equipment, gearbox and anemometer for monitoring the wind speed and direction. The mechanical power generated through the rotating blades is transmitted to the generator via a gear box and drive train which converts the turning motion of the blades into electricity.

Wind turbines are generally designed to operate continuously for more than 20 years with minimal maintenance. A wind energy facility can be monitored and controlled remotely with a mobile team for maintenance when required.

### WIND FARM TECHNICAL DETAILS

At this stage each proposed wind farm, consisting of the turbines and associated infrastructure, will have a total generation capacity of up to 235MW. The number of wind turbines will be determined during the EIA process. The generated electricity will be fed into the national grid at the Helios Substation via a 132kV power line.

### Wind Turbines

The size of the wind turbines will depend on the developable area and the total generation capacity that can be produced as a result. The wind turbines will therefore have a hub height of up to 160m and a rotor diameter of up to 160m. The blade rotation direction will depend on wind measurement information received later in the process. The electrical generation capacity for each turbine will range from 3MW to 5MW depending on the final wind turbine selected for the proposed development.

### Wind Farm Electrical Infrastructure

The wind turbines will be connected to the substation using buried (up to a 1,5m depth) medium voltage cables (Figure 1) except where a technical assessment of the proposed design suggests that overhead lines are appropriate, such as over rivers and gullies. Where overhead power lines are to be constructed, monopole tower structures will be used in combination with the steel lattice towers at bend points. The dimensions of the monopole structures will depend on grid safety requirements and the grid operator. The exact location of the towers and the final design will

depend on Eskom requirements. As mentioned, the proposed wind farm will connect to the national grid at Helios substation via a 132kV power line with a length of up to 48km.

A new substation and associated transformers will be developed which will supply the generated electricity to the national grid. The connection from the substation to the national grid line will be an overhead power line as mentioned above.

### Roads

Access roads width and location will be determined during the EIA and BA processes.

### Construction Lay Down Area

A temporary lay down area will be constructed for the proposed development and will include an access road and a contractor's site office

Other infrastructure includes the following:

- Operation and maintenance (O&M) buildings;
- Fencing; and
- Linking station.

Should more than one wind farm receive an EA and a license from the DoE the option of sharing the Linking Station and 132kV power line will be considered.

### PROJECT LOCATION

The Wind Farm project area will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province.

The application sites for the four (4) proposed Wind Farms and associated grid connection alternatives are shown on the locality map (Figure 2).

The route alternatives for the four (4) proposed 132kV power lines within the Project Area and the location the four (4) proposed 33kV/132kV on-site substation alternatives will be provided during EIA and BA processes.

### EIA / BA PROCESSES

#### What is an EIA?

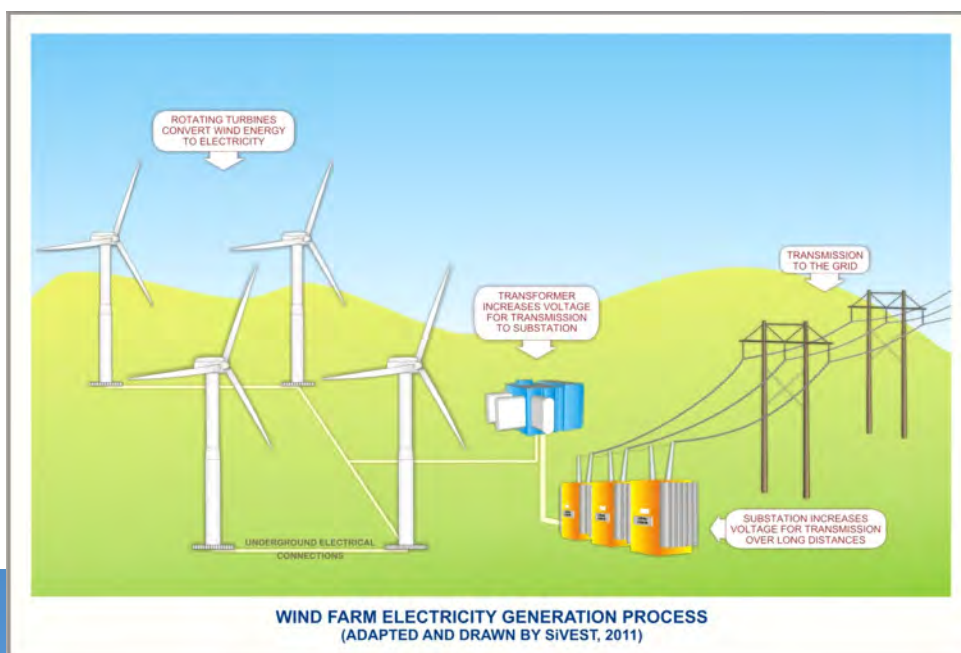
An EIA is a process of collecting, organising, analysing, interpreting and communicating information that is relevant to consider a particular environmental application. EIAs are used by planning authorities/developers to obtain an independent and objective view of the potential environmental (biophysical and social) impacts that could arise during the construction and operation of the proposed development. This information needs to provide the Competent Authority with a sound basis for their decision-making.

#### What is a BA?

A BA is a similar process to an EIA, but is undertaken where the impacts are less likely to have significant impacts on the receiving environment. Like EIAs, BAs identify potential environmental impacts and provide the Competent Authority with a sound basis for their decision-making.

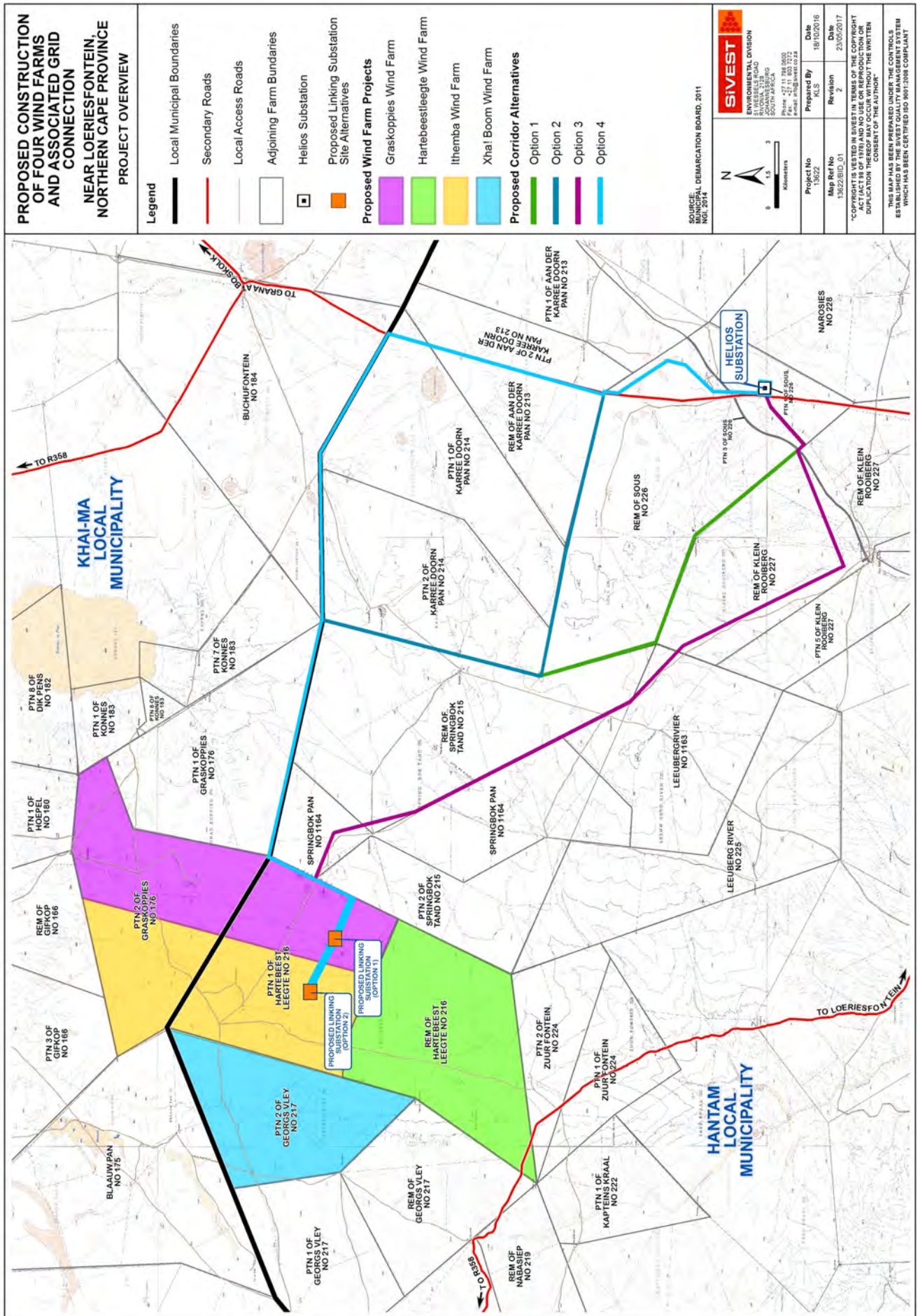
### Legal requirements

According to the NEMA as amended, an EIA process is required for the proposed wind farms as several listed notice 2 activities (GN R. 984) are triggered by each proposed project. A BA process is required for the associated grid connections as several listed notice 1 activities (GN R. 983) are triggered by each proposed project.



**Figure 1: Conceptual wind farm electricity generation process showing electrical connections**

Figure 2: Locality Map



The EIA and BA processes that will be followed are illustrated in Figure 3 and Figure 4 below.

### Competent authority

The Competent Authority for this proposed project is the National Department of Environmental Affairs (DEA).

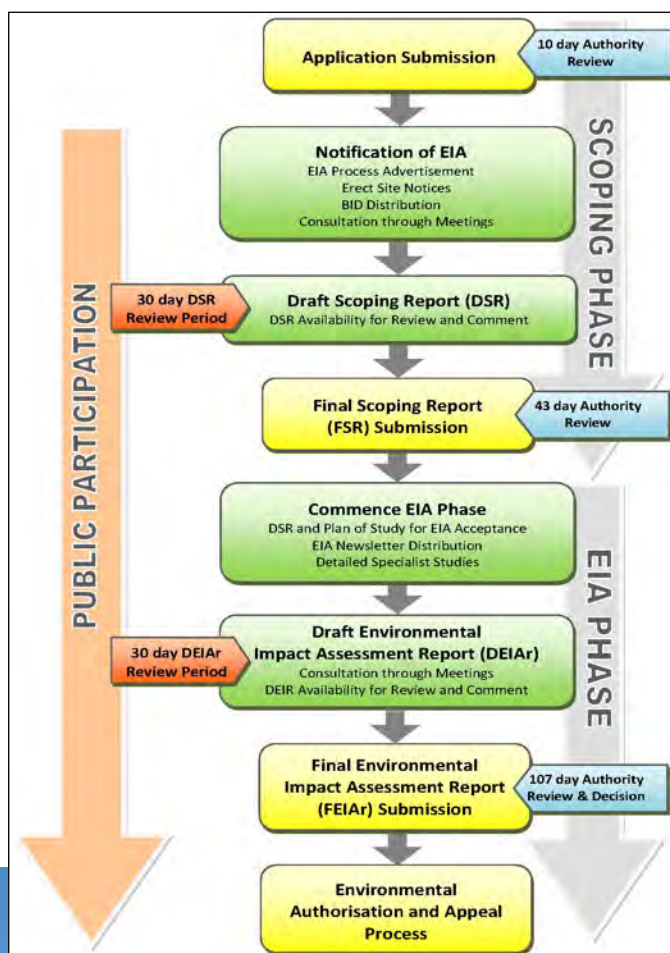
### Environmental issues to be investigated during the EIA and BA

Various environmental parameters have been identified that will require investigation for the proposed development. These are listed in Table 1 below.

**Table 1. List of specialists and specialist studies to be undertaken for the proposed development**

SKILL	NAME
Biodiversity	Simon Todd Consulting – Simon Todd
Avifauna	Chris van Rooyen Consulting – Chris van Rooyen
Bat	Animalia
Surface Water	SiVEST – Shaun Taylor
Agricultural Potential and Soils	Johann Lanz
Heritage and Palaeontology	PGS – Wouter Fourie
Visual	SiVEST – Andrea Gibb, Stephan Jacobs
Noise	Enviro-Acoustic Research - Morné De Jager
Socio-Economic	Urban Econ – Elena Broughton
Public Participation	Imaginative Africa - Nicolene Venter
GIS, Mapping and Visual	SiVEST – Kerry Schwartz
Geotechnical and Traffic	SMEC, South Africa - Glen Randall
Path Loss and Risk Assessment to the SKA	Interference Testing and Consultancy Services (ITC) - Callie Fouche

**Figure 3: EIA process diagram**



### THE PUBLIC PARTICIPATION PROCESS

Public participation is the cornerstone of any EIA or BA, as it will be for this proposed project. The principles of NEMA govern many aspects of an EIA or BA, including public participation. The key objective of public participation during the EIA and BA will be to provide I&APs with sufficient and relevant information and to conduct a transparent consultation process on an on-going basis, in order to ensure effective participation throughout the EIA and BA processes. As part of this public participation process you will also be provided with the opportunity to comment on the environmental findings as per the EIA and BA reports (Scoping, Environmental Impact Assessment and Basic Assessment), which will be made available for public review and comment during the processes.

It is important that relevant I&APs and Stakeholders are identified and involved in the public participation process from the outset of the proposed project. As a registered I&AP, you will receive personal notifications, via e-mail, post, fax, and/or sms (where applicable), notifying you of all documents available for comment, the comment periods and the upcoming meetings.

### Your responsibilities as an I&AP

In terms of the EIA Regulations, your attention is drawn to your responsibilities as an I&AP, which are to:

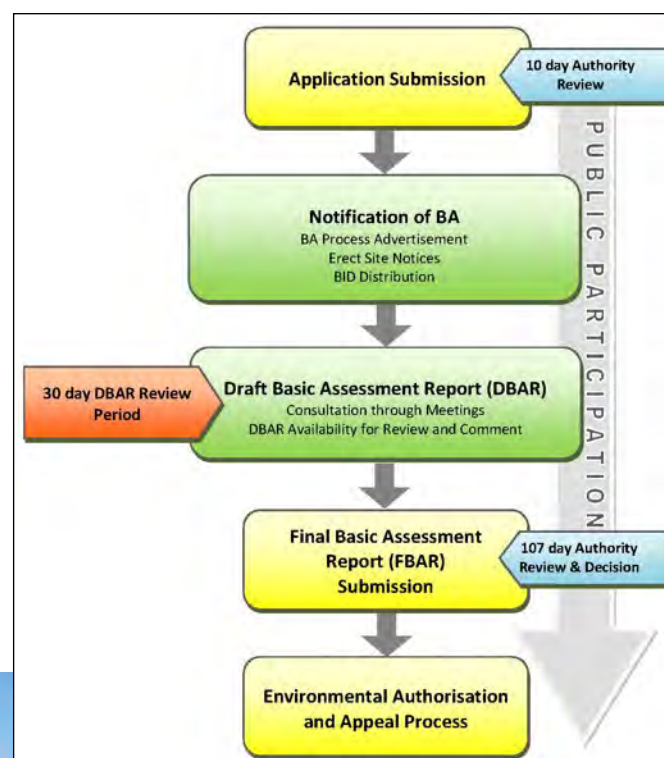
- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that any comments regarding the proposed project is submitted within the legislated timeframes which will be communicated to you.

### Our responsibilities as the independent EAP

In terms of the EIA Regulations, our responsibilities in the public consultation process include:

- Ensuring that sufficient information regarding the proposed project is made available to you, either through the BID or providing information as and when requested;
- Ensuring that you have an understanding of the proposed project to be able to comment informatively, and to enable you to submit any concern in an informed manner; and
- Ensuring that the following actions are taken upon receiving any comments/queries/issues:
  - o The contact details provided by you will be entered into the project database;
  - o You will be sent all further information releases; and
  - o If you send us queries or comments, we will respond in writing (either via e-mail or within the comments and response report).

**Figure 4: BA process diagram**



## How to become involved

If you wish to register as an I&AP, you can do so by the following methods:

- Respond (by phone, fax, post or e-mail) to our invitation for your participation, which has been advertised in the printed media;
- Post, fax or e-mail the attached Registration and Comment Form to SiVEST;
- Attend the meetings to be held during the course of the project. Should you register as an I&AP you will automatically be invited to attend these meetings;
- Contact us telephonically should you have a query, comment or require further project information; and
- Submit comments on the Draft Scoping Reports (DSRs) and/or the Draft Environmental Impact Assessment Report (DEIARs) and/or the Draft Basic Assessment Reports (DBARs) within the review periods that will be stipulated.

If you consider yourself an I&AP for this proposed project, we urge you to make use of the opportunities created by the public participation process to become actively involved in the process and provide comment or concerns which affect and/or interest you, or about which you would like more information. Your input into this process forms a key part of the environmental studies and we would like to hear from you to obtain your views on the proposed project.

By completing and submitting the accompanying Registration and Comment Form, you automatically register yourself as an I&AP for this proposed project, ensuring that your comments and/or concerns raised regarding will be noted and addressed. The environmental consultants will respond to all comments and queries received during the course of the EIA or BA.


*Please be informed that all relevant public documents can be downloaded from SiVEST's website.*

The logo for SiVEST, featuring the word "SiVEST" in white capital letters on a red rectangular background. To the right of the text is a vertical orange bar with a grid of small white dots.

*We look forward to your contributions*

Contact: Hlengiwe Ntuli or Stephan Jacobs

 PO Box 2921, RIVONIA, 2128

 Phone: (011) 798 0600

 E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za)

 Fax: (011) 803 7272

Websites: [www.sivest.co.za](http://www.sivest.co.za)

## LIST OF ACRONYMS

<b>BA</b>	Basic Assessment	<b>EIA</b>	Environmental Impact Assessment
<b>BID</b>	Background Information Document	<b>FBAR</b>	Final Basic Assessment Report
<b>DBAR</b>	Draft Basic Assessment Report	<b>FEIAR</b>	Final Environmental Impact Report
<b>DEA</b>	Department of Environmental Affairs	<b>Ha</b>	Hectares
<b>DEIAR</b>	Draft Environmental Impact Assessment Report	<b>I&amp;AP</b>	Interested and/or Affected Party
<b>DSR</b>	Draft Scoping Report	<b>Km</b>	Kilometre
<b>EAP</b>	Environmental Assessment Practitioner	<b>kV</b>	Kilovolt
<b>EMPr</b>	Environmental Management Programme		

U verwysing  
Ons verwysing 13622 - Leeuwigberg  
Datum 24 Oktober 2017

Beste Belangstellende en/of Geaffekteerde Party,

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

**DO Verw.:** **Hartebeest Leegte Windplaas 14/12/16/3/3/2/1015**  
**Ithemba Windplaas 14/12/16/3/3/2/1016**  
**Graskoppies Windplaas 14/12/16/3/3/2/1017**  
**!Xha Boom 14/12/16/3/3/2/1018**

**DO Verw vir Roosterkonneksie:**  
Moet aangekondig word

• **UITNODIGING NA PUBLIEKE-OPEDAG**

Ons maak graag van hierdie geleentheid gebruik om u uit te nooi om die Publieke-Opedag wat vir die bogenoemde voorgestelde projekte gehou word op:

DATUM	TYD	PLEK
Woensdag, 01 November 2017	Begin om <b>11h30</b> tot <b>13h00</b>	Loeriesfontein Sportsaal, Rugbystraat, Loeriesfontein

Ons versoek u vriendelik om die ingeslote Registrasievorm te voltooi en aan die Openbare Deelname span te stuur voor of op Vrydag, 27 Oktober 2017.

Die doel van die Publieke-Opedag is om die volgende, in 'n plakkaat format, aan te bied:

- 'n kort / opsommende oorsig oor die voorgestelde windplase en roosterkonneksie projekte;
- Inligting oor die sleutel omgewingsbevindinge soos vervat in die konsep Omgewingsimpakverslae (OIV's) en die aanbevole versagtende maatreëls soos vervat in die konsep Omgewingsbestuursprogram (OBPr'e);
- geleentheid om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- geleentheid om enige kommentaar en/or kwelling wat nog nie rakende die voorgestelde windplase en roosterkonneksie projekte geopper is nie, te opper; en
- kommentaar en/of kwelpunte wat by die Publieke-Opedag geopper word, aan te teken

U insette in die OIS en BE-prosesse word hoog op prys gestel aangesien u plaaslike kennis van die omgewing sal verseker dat alle omgewingsaspekte inaggeneem en aangespreek is.

Ons moedig u bywoning en deelname by die Publieke-Opedag aan en dank u byvoorbaat vir u aktiewe en betekenisvolle bydrae tot die prosesse.

Vriendelike groete,



Andrea Gibb  
Omgewingskonsultant  
**SIVEST Omgewingsafdeling**

**Ingeslote Dokument:** Registrasievorm



Your reference:

Our reference: 13622 - Leewburg

Date: 24 October 2017

Dear Interested and Affected Party,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DEA Ref. Hartebeest Leegte Wind Farm 14/12/16/3/3/2/1015      DEA Ref for Grid Connection: To be issued**  
**Ithemba Wind Farm 14/12/16/3/3/2/1016**  
**Graskoppies Wind Farm 14/12/16/3/3/2/1017**  
**!Xha Boom Wind Farm 14/12/16/3/3/2/1018**

• **INVITATION TO PUBLIC OPEN DAY (POSTER DISPLAY)**

We would like to take this opportunity to invite you to attend the Public Open Day (poster display) that will be held for the above-mentioned proposed projects on:

DATE	TIME	VENUE
Wednesday, 01 November 2017	Starts at <b>11h30</b> until <b>13h00</b>	Loeriesfontein Recreation Hall, Rugby Street, Loeriesfontein

We kindly request that you complete the attached Registration Form and return it to the Public Participation team on or before Friday, 27 October 2017.

The purpose of the Public Open Day is to present, in a poster presentation format, the following:

- brief overview/summary of the proposed wind farms and grid line projects;
- information on the key environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPrs);
- opportunity to raise any questions for clarifications regarding the environmental findings;
- opportunity to raise any comments and/or concerns not yet raised regarding the proposed wind farms and grid line projects; and
- record your comments and/or concerns raised at the Public Open Day.

Your input into this EIA and BA processes is highly valued as your local knowledge will contribute in ensuring that all environmental aspects have been considered and addressed.



We encourage you to attend and participate in the Public Open Day and thank you in anticipation for your active and meaningful contribution to the EIA process.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Andrea Gibb", enclosed in a thin black rectangular border.

Andrea Gibb  
Environmental Practitioner  
**SiVEST Environmental Division**

**Documents attached:** Registration Form

Mr R Van Wyk  
Acting Municipal Manager  
Hantam Local Municipality  
Private Bag X14  
CALVINIA  
8190

Your reference:

Our reference: 13622 - Leeuwburg

Date: 23 October 2017

**E-mail:** municipalmanager@hantam.gov.za / admin2@hantam.gov.za

Dear Mr Van Wyk,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

<b>DEA Ref. Hartebeest Leegte windplaas</b>	<b>14/12/16/3/3/2/1015</b>	<b>DEA Ref for Grid Connection:</b> To be issued
<b>Ithemba Windplaas</b>	<b>14/12/16/3/3/2/1016</b>	
<b>Graskoppies Windplaas</b>	<b>14/12/16/3/3/2/1017</b>	
<b>!Xha Boom</b>	<b>14/12/16/3/3/2/1018</b>	

• **INVITATION TO THE FOCUS GROUP MEETING**

SiVEST SA (Pty) Ltd (SiVEST) has been appointed as the independent Environmental Assessment Practitioner by Mainstream Renewable Power SA (Mainstream) to conduct the Environmental Impact Assessment processes for the above-mentioned proposed developments.

The purpose of inviting the Officials of Hantam Local Municipality to attend the Focus Group Meeting (details below) is to present the environmental findings and proposed mitigations measures proposed for the four Wind Farms, as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and the draft Environmental Management Programmes (EMPrs). The invitation to the Focus Group Meeting is scheduled for:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30 – 15h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

This FGM is part of the Environmental Impact Assessment (EIA) processes being undertaken by SiVEST for the above-mentioned projects.

As stakeholders, we would value your attendance at the FGM. The purpose of this FGM is to:

- provide a brief overview/summary of the proposed wind farms and grid line projects;
- provide feedback on the key environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPrs);
- provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- provide the opportunity to raise any comments and/or concerns not yet raised regarding the proposed wind farms and grid line projects; and
- record your comments and/or concerns raised at the FGM.

Please find attached the draft Agenda for the Focus Group Meeting and a Registration Form.

The Hantam Local Municipality Officials that we would recommend to attend the Focus Group Meeting, but also at the discretion of the Mayor and Municipal Manager are:

- Ward Councillors;
- Integrated Development Planning
- Economic Development & Spatial Development Framework
- Land Use & Infrastructure
- Electrical
- Engineering
- Water and Sanitation
- Waste
- Environmental

Officials are welcome to nominate a Ward Committee Member or Staff Member to attend the meeting should they not be available to attend. You are kindly requested to please forward us the completed Registration Form by Friday, 28 October 2017.

We would also like to take this opportunity to inform you that a Public Open Day will be held at the Loeriesfontein Recreational Hall, Rugby Street, Loeriesfontein on **Wednesday, 01 November 2017** from **11h30** to **13h00**, should any of the Officials want to attend.

Hantam Local Municipality's input into this EIA process is highly valued to input into the findings and recommendations made by the various environmental specialists for this proposed project.

We are looking forward to hear from you in this regard and would like to thank you in anticipation for your active and meaningful contribution to the EIA process.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Andrea Gibb".

Andrea Gibb  
Environmental Practitioner  
**SiVEST Environmental Division**

**Documents attached:** Draft Agenda  
Registration Form

Mr Obakeng Isaacs  
Municipal Manager  
Khâi-Ma Local Municipality  
PO Box 108  
POFADDER  
8890

Your reference:

Our reference: 13622 - Leeuwburg

Date: 23 October 2017

**E-mail:** mmsecretary@khaima.gov.za / munman@khaima.gov.za

Dear Mr Van Wyk,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

<b>DEA Ref. Hartebeest Leegte windplaas</b>	<b>14/12/16/3/3/2/1015</b>	<b>DEA Ref for Grid Connection:</b> To be issued
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<b>Graskoppies Windplaas</b>	<b>14/12/16/3/3/2/1017</b>	
<b>!Xha Boom</b>	<b>14/12/16/3/3/2/1018</b>	

• **INVITATION TO THE FOCUS GROUP MEETING**

SiVEST SA (Pty) Ltd (SiVEST) has been appointed as the independent Environmental Assessment Practitioner by Mainstream Renewable Power SA (Mainstream) to conduct the Environmental Impact Assessment processes for the above-mentioned proposed developments.

The purpose of inviting the Officials of Khâi-Ma Local Municipality to attend the Focus Group Meeting (details below) is to present the environmental findings and proposed mitigations measures proposed for the four Wind Farms, as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and the draft Environmental Management Programmes (EMPrs). The invitation to the Focus Group Meeting is scheduled for:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30 – 15h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

This FGM is part of the Environmental Impact Assessment (EIA) processes being undertaken by SiVEST for the above-mentioned projects.

As stakeholders, we would value your attendance at the FGM. The purpose of this FGM is to:

- provide a brief overview/summary of the proposed wind farms and grid line projects;
- provide feedback on the key environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPrs);
- provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- provide the opportunity to raise any comments and/or concerns not yet raised regarding the proposed wind farms and grid line projects; and
- record your comments and/or concerns raised at the FGM.

Please find attached the draft Agenda for the Focus Group Meeting and a Registration Form.

The Hantam Local Municipality Officials that we would recommend to attend the Focus Group Meeting, but also at the discretion of the Mayor and Municipal Manager are:

- Ward Councillors;
- Integrated Development Planning
- Economic Development & Spatial Development Framework
- Land Use & Infrastructure
- Electrical
- Engineering
- Water and Sanitation
- Waste
- Environmental

Officials are welcome to nominate a Ward Committee Member or Staff Member to attend the meeting should they not be available to attend. You are kindly requested to please forward us the completed Registration Form by Friday, 28 October 2017.

We would also like to take this opportunity to inform you that a Public Open Day will be held at the Loeriesfontein Recreational Hall, Rugby Street, Loeriesfontein on **Wednesday, 01 November 201** from **11h30 to 13h00**, should any of the Officials want to attend.

Hantam Local Municipality's input into this EIA process is highly valued to input into the findings and recommendations made by the various environmental specialists for this proposed project.

We are looking forward to hear from you in this regard and would like to thank you in anticipation for your active and meaningful contribution to the EIA process.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Andrea Gibb".

Andrea Gibb  
Environmental Practitioner  
**SiVEST Environmental Division**

**Documents attached:** Draft Agenda  
Registration Form

Mr Chris Fortuin  
Municipal Manager  
Namakwa District Municipality  
Private Bag X20  
SPRINGBOK  
8240

Your reference:

Our reference: 13622 - Leeuwburg

Date: 23 October 2017

**E-mail:** [chrif@namakwa-dm.gov.za](mailto:chrif@namakwa-dm.gov.za) / [info@namakwa-dm.gov.za](mailto:info@namakwa-dm.gov.za)

Dear Mr Fortuin,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

<b>DEA Ref. Hartebeest Leegte windplaas</b>	<b>14/12/16/3/3/2/1015</b>	<b>DEA Ref for Grid Connection:</b> To be issued
<b>!themba Windplaas</b>	<b>14/12/16/3/3/2/1016</b>	
<b>Graskoppies Windplaas</b>	<b>14/12/16/3/3/2/1017</b>	
<b>!Xha Boom</b>	<b>14/12/16/3/3/2/1018</b>	

• **INVITATION TO THE FOCUS GROUP MEETING**

SiVEST SA (Pty) Ltd (SiVEST) has been appointed as the independent Environmental Assessment Practitioner by Mainstream Renewable Power SA (Mainstream) to conduct the Environmental Impact Assessment processes for the above-mentioned proposed developments.

The purpose of inviting the Officials of Namakwa District Municipality to attend the Focus Group Meeting (details below) is to present the environmental findings and proposed mitigations measures proposed for the four Wind Farms, as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and the draft Environmental Management Programmes (EMPrs). The invitation to the Focus Group Meeting is scheduled for:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30 – 15h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

This FGM is part of the Environmental Impact Assessment (EIA) processes being undertaken by SiVEST for the above-mentioned projects.

As stakeholders, we would value your attendance at the FGM. The purpose of this FGM is to:

- provide a brief overview/summary of the proposed wind farms and grid line projects;
- provide feedback on the key environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIARs) and mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPrs);
- provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- provide the opportunity to raise any comments and/or concerns not yet raised regarding the proposed wind farms and grid line projects; and
- record your comments and/or concerns raised at the FGM.

Please find attached the draft Agenda for the Focus Group Meeting and a Registration Form.

The Hantam Local Municipality Officials that we would recommend to attend the Focus Group Meeting, but also at the discretion of the Mayor and Municipal Manager are:

- Integrated Development Planning
- Economic Development & Tourism
- Land Use & Infrastructure
- Electrical
- Engineering
- Water and Sanitation
- Waste
- Environmental

Officials are welcome to nominate a Staff Member to attend the meeting should they not be available to attend. You are kindly requested to please forward us the completed Registration Form by Friday, 28 October 2017.

We would also like to take this opportunity to inform you that a Public Open Day will be held at the Loeriesfontein Recreational Hall, Rugby Street, Loeriesfontein on **Wednesday, 01 November 2017** from **11h30 to 13h00**, should any of the Officials want to attend.

Hantam Local Municipality's input into this EIA process is highly valued to input into the findings and recommendations made by the various environmental specialists for this proposed project.


We are looking forward to hear from you in this regard and would like to thank you in anticipation for your active and meaningful contribution to the EIA process.


Yours sincerely,


A handwritten signature in black ink, appearing to read "Andrea Gibb".

Andrea Gibb  
Environmental Practitioner  
**SiVEST Environmental Division**


**Documents attached:** Draft Agenda  
Registration Form


<input type="checkbox"/>	<b>Trace and Track Parcel (CD)</b>	Project Number:
<input type="checkbox"/>	<b>Registered Letter</b>	<b>13622</b>
<input checked="" type="checkbox"/>	<b>Fast Mail</b>	
Addressed To:		Post Office Stamp:
<hr/> <hr/> Clr Margaret Esau Councillor <b>Hantam Local Municipality</b> 2857 Eeeste Laan CALVINIA 8190 <hr/>		
		Tracking Number:


<input type="checkbox"/>	<b>Trace and Track Parcel (CD)</b>	Project Number:
<input type="checkbox"/>	<b>Registered Letter</b>	<b>13622</b>
<input checked="" type="checkbox"/>	<b>Fast Mail</b>	
Addressed To:		Post Office Stamp:
<hr/> <hr/> Ms Bennie Engelbrecht <b>Hantam Local Municipality</b> Posbus 36 LOERIESFONTEIN 8185 <hr/>		
		Tracking Number:

<input type="checkbox"/>	<b>Trace and Track Parcel (CD)</b>	Project Number:
<input type="checkbox"/>	<b>Registered Letter</b>	<b>13622</b>
<input checked="" type="checkbox"/>	<b>Fast Mail</b>	
Addressed To:		Post Office Stamp:
<hr/> <hr/> Mr .. <b>DE BEERS CONSOLIDATED MINES</b> <b>(Pty) Ltd</b> Cnr. Diamond & Crownwood Rd, Theta JOHANNESBURG 2013 <hr/>		
		Tracking Number:



<input type="checkbox"/>	<b>Trace and Track Parcel (CD)</b>	Project Number:
<input type="checkbox"/>	<b>Registered Letter</b>	<b>13622</b>
<input checked="" type="checkbox"/>	<b>Fast Mail</b>	
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<input type="checkbox"/>	<b>Trace and Track Parcel (CD)</b>	Project Number:
<input type="checkbox"/>	<b>Registered Letter</b>	<b>13622</b>
<input checked="" type="checkbox"/>	<b>Fast Mail</b>	
Addressed To:		Post Office Stamp:
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		

## Shaun Taylor

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**From:** sivest\_PPP  
**Sent:** Thursday, 12 October 2017 4:26 PM  
**Cc:** Shaun Taylor; Andrea Gibb; 'Nicolene Venter'  
**Subject:** LEEUWBURG WIND FARMS, NORTHERN CAPE PROVINCE

**\*\*\*\*\* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.\*\*\*\*\***

Dear Interest and Affected Party

We would like to take this opportunity to inform you that the Department of Environmental Affairs has accepted the Final Scoping Report and approved the Plan of Study for the Environmental Impact Phase of the above mentioned project.

Attached is the English and Afrikaans EIA Newsletter and Site Layout Map for your information.



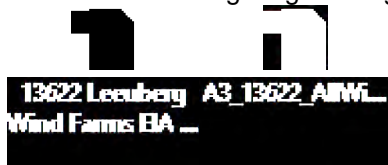
Best Regards  
Shaun Taylor

.....

Geagte Belanghebbendes

Ons wil graag hierdie geleentheid gebruik om u in kennis te stel dat die Departement van Omgewingsake die Finale Omvangsbepalingsverslag aanvaar het en die Studieplan vir die Omgewingsimpakfase van die bogenoemde projek goedgekeur het.

Vind asseblief aangeheg die Engelse en Afrikaanse OIE-nuusbrief en 'n webwerf uitlegkaart vir u inligting.



Die uwe  
**Shaun Taylor**  
MSc (Aquatic Health)  
Environmental Scientist  
**SiVEST Environmental Division**



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0691 Tel +27 11 798 0600 fax +27 11 803 7272  
email [shaunt@sivest.co.za](mailto:shaunt@sivest.co.za) website [www.sivest.co.za](http://www.sivest.co.za)



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Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners  
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Port Louis (Mauritius)

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Broadcast Report

P 1  
12/10/2017 20:16  
Serial No. A61D041002484  
TC: 126356

Addressee	Start Time	Time	Prints	Result	Note
0546038401	10-12 16:41	00:28:51	014/014	OK	
0866600941	10-12 18:45	01:03:30	005/014	OK	
0273418501	10-12 19:49	00:06:32	014/014	OK	
0546030248	10-12 20:13	00:00:56	000/014	No Ans	
0276628604	10-12 20:14	00:00:57	000/014	No Ans	
0538392781	10-12 20:15	00:00:57	000/014	No Ans	

**Note** TMR:Timer TX, POL:Polling, ORG:Original Size Setting, FME:Frame Erase TX, DPG:Page Separation TX, MIX:Mixd Original TX, CALL:Manual TX, CSRC:CSRC, FWD:Forward, PC:PC-FAX, BND:Double-Sided Binding Direction, SP:Special Original, FCODE:F-code, RTX:Re-TX, RLY:Relay, MBX:Confidential, BUL:Bulletin, SIP:SIP Fax, IPADR:IP Address Fax, I-FAX:Internet Fax

**Result** OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full, LOUR:Receiving length Over, POVR:Receiving page Over, FIL:File Error, DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error, PRINT:Compulsory Memory Document Print, DEL:Compulsory Memory Document Delete, SEND:Compulsory Memory Document Send.

**SIVEST Environmental**  
51 Wessel Road, Rivonia  
PO Box 2921, Rivonia  
2128  
Gauteng, South Africa

Phone + 27 11 798 0680  
Fax + 27 11 803 7272  
Email info@sivest.co.za  
www.sivest.co.za



Your reference: N/A  
Our reference: 13622  
Date: 12<sup>th</sup> October 2017

Dear Interested and/or Affected or Party,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DEA Ref. HARTEBEEST LEEGTE WIND FARM: 14/12/16/3/3/2/1015**  
**ITHEMBA WIND FARM: 14/12/16/3/3/2/1016**  
**GRASKOPPIES WIND FARM: 14/12/16/3/3/2/1017**  
**XHA! BOOM WIND FARM: 14/12/16/3/3/2/1018**

**EIA NEWSLETTER**

We trust that you, as a registered Interested and/or Affected Party (I&AP), have received all the various public documents that have been distributed to date regarding the four Environmental Impact Assessments (EIAs) that are being conducted for the proposed construction of the wind farms near Loeriesfontein, Northern Cape Province. If you have not received the public documents, you are most welcome to submit your request to us, in writing by e-mail, fax or letter (contact details below), or alternatively via telephonic or direct request and we will forward the relevant document(s) that you are interested in. You are also welcome to download any of the public documents from our website (<http://www.sivest.co.za/> click on 'Downloads' then scroll down to Project 13622 Mainstream Wind Farms)

This EIA Newsletter aims to further facilitate your understanding of the four proposed wind farms and the EIA process, including the Public Participation Process (PPP), being followed. The first phase of the EIA process (i.e. the Environmental Scoping Study) has been completed, and the desktop/preliminary specialist assessments and EIA process has been captured in the Final Scoping Reports (FSRs). The FSRs and their supporting documents, including the Plan of Studies (PoS) for EIAs, were submitted to the Department of Environmental Affairs (DEA) on Friday the 4<sup>th</sup> of August 2017 for their review and acceptance.

The DEA accepted all four FSRs on the 11<sup>th</sup> of September 2017 (Graskoppies Wind Farm, Hartebeest Leegte Wind Farm and Ithemba Wind Farm) and the 15<sup>th</sup> of September 2017 (Xha! Boom Wind Farm), and stated that the Department was satisfied with the content of the FSRs as well as the content in the PoS for the EIAs for the proposed developments as they comply with the minimum requirements of the EIA Regulations (2014), as amended.

**1. BRIEF OVERVIEW OF THE SCOPING PHASE**

The proposed developments are situated near Loeriesfontein and involve the construction of four wind farms each with a generation capacity of up to 235MW.

Group name	Group description		
Mainstream Leeuwborg SMS3	EIA Newsletter Distribution		
Phonenumber	DateTime	CustomerID	Status
27722538788	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27733077196	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27733119982	16/Oct/2017 15:11		EXPIRED
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27761115808	16/Oct/2017 15:11		DELIVRD
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27794198468	16/Oct/2017 15:11		DELIVRD
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27723193871	16/Oct/2017 15:11		DELIVRD
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27733502580	16/Oct/2017 15:11		DELIVRD
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27823313870	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27723409194	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27826512720	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27836613674	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27836277307	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27847734713	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27844068990	16/Oct/2017 15:11		EXPIRED
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			
27836758436	16/Oct/2017 15:11		DELIVRD
Leeuwborg Wind Farms Project. Environmental Impact Assessment Newsletter available. Contact Shaun Taylor 0117980600 / shaunt@sivest.co.za for copy			

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

DO Verw.: Hartebeest Leegte windplaas 14/12/16/3/3/2/1015  
 lthemba Windplaas 14/12/16/3/3/2/1016  
 Graskoppies Windplaas 14/12/16/3/3/2/1017  
 !Xha Boom 14/12/16/3/3/2/1018

DO Verw vir Roosterkonneksie:  
 Moet aangekondig word

**REGISTRASIEVORM**  
**FOKUSGROEPVERGADERING**  
**Woensdag, 01 November 2017 om 09h00**  
**NG Kerksaal, Kerkstraat, Loeriesfontein**

Voloit asseblief die vorm en stuur terug aan die Openbare Deelname Kantoor by ondergenoemde adres voor of op **Vrydag, 27 Oktober 2017.**

**SIVEST Environmental Division** Wesselstraat 51 Foon +27 11 798 0600  
**Aandag:** Posbus 2921 Faks +27 11 803 7272  
 Nicolene Venter / Lynsey Rimbault Rivonia 2128 E-pos hlengiwen@sivest.co.za  
 Webwerf www.sivest.co.za

<b>TITEL</b> (Prof/Mnr/Mev)		<b>NOEMNAAM</b>	
<b>VAN</b>			
<b>POSBENAMING</b> (bv Gemeenskapslid / Direkteur)			
<b>ORGANISASIE</b>			
<b>POSADRES</b>			<b>POSKODE</b>
<b>TEL. NO.:</b>			
<b>FAKS NO.:</b>			
<b>SELFOON NO.:</b>			
<b>E-POS ADRES</b>			
<b><i>Omkring</i> asseblief die toepaslike antwoord</b>			
Gaan u die Fokusgroepvergadering bywoon?	<b>JA</b>	<b>NEE</b>	
Indien nie, verlang u 'n kopie van die konsep Notule?	<b>JA</b>	<b>NEE</b>	

**DANKIE VIR U REGISTRASIE**  
**See riverside side for English**

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPRs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

DEA Ref. Hartebeest Leegte windplaas	14/12/16/3/3/2/1015	DEA Ref for Grid Connection: To be issued
Ithemba Windplaas	14/12/16/3/3/2/1016	
Graskoppies Windplaas	14/12/16/3/3/2/1017	
!Xha Boom	14/12/16/3/3/2/1018	

**REGISTRATION FORM**  
**FOCUS GROUP MEETING: Landowners**  
**Wednesday, 01 November 2017 at 09h00**  
**NG Church Hall, Church Street, Loeriesfontein**

Please **complete** this form and return it to the Public Participation Office at the following address **on or before Friday, 27 October 2017.**

<b>SiVEST Environmental Division</b>	51 Wessel Road	Phone	+27 11 798 0600
<b>Attention:</b>	PO Box 2921	Fax	+27 11 803 7272
Nicolene Venter or Lynsey Rimbault	Rivonia 2128	E-mail	hlengiwen@sivest.co.za South Africa
		Website	www.sivest.co.za

<b>TITLE</b> (Prof/Mr/Mrs)		<b>FIRST NAME</b>	
<b>SURNAME</b>			
<b>CAPACITY</b> (e.g. Community Member / Director)			
<b>COMPANY / ORGANISATION</b>			
<b>POSTAL ADDRESS</b>			<b>POSTAL CODE</b>
<b>TEL NO:</b>			
<b>CELL NO:</b>			
<b>FAX NO:</b>			
<b>E-MAIL ADDRESS:</b>			
<b>Please indicate your choice by <i>circling</i> the appropriate block</b>			
Will you attend the Focus Group Meeting?	<b>YES</b>	<b>NO</b>	
If not able to attend would like to receive a copy of the draft Minutes?	<b>YES</b>	<b>NO</b>	

**THANK YOU FOR REGISTERING**  
**Sien keersy vir Afrikaans**

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

DO Verw.:	Hartebeest Leegte windplaas	14/12/16/3/3/2/1015
	Ithemba Windplaas	14/12/16/3/3/2/1016
	Graskoppies Windplaas	14/12/16/3/3/2/1017
	!Xha Boom	14/12/16/3/3/2/1018

**FOKUSGROEPVERGADERING: GRONDEIENAARS**

**Woensdag, 01 November 2017 om 09h00**

**NG Kerksaal, Kerkstraat, Loeriesfontein**

**DOEL VAN DIE VERGADERING**

- 'n kort / opsommende oorsig oor die voorgestelde windplase en roosterkonneksie projekte aan te bied;
- terugvoer te gee oor die omgewingsbevindinge soos vervat in die konsep Omgewingsimpakverslae (OIV'e) en terugvoer te te gee rakende die aanbevole versagtende maatreëls soos vervat in die konsep Omgewingsbestuursprogramme (OBPr'e)
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- aan u die geleentheid te bied om enige kommentaar en/or kwelling wat nog nie rakende die voorgestelde windplase en roosterkonneksie projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die FGV geopper word, aan te teken.

**KONSEP AGENDA**

**Fasiliteerder:** Nicolene Venter, Imaginative Africa

VERWELKOMING, BEKENDSTELLING & VERSKONINGS	Nicolene Venter
DOEL EN VERLOOP VAN VERGADERING	Nicolene Venter
AGTERGROND TOT DIE VOORGESTELDE PROJEKTE	Stephan Jacobs SIVEST
OMGEWINGSASPEKTE EN -BEVINDINGE	Stephan Jacobs
BESPREKINGSGELEENTHEID	Almal
PROSES VORENTOE & AFSLUITING	Nicolene Venter

U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mev Marie Burden  
Plaas: Georgs Vlei 217, Gedeelte 2

**Per e-pos:** hein.carli@gmail.com

Beste Mev Burden

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Ithemba Windplaas 14/12/16/3/3/2/1016  
Graskoppies Windplaas 14/12/16/3/3/2/1017  
!Xha Boom 14/12/16/3/3/2/1018

**DO Verw vir Roosterkonneksie:**  
Moet aangekondig word

• **UITNODIGING NA FOKUSGROEPVERGADERING**

Die doel van hierdie brief is om u vriendelik uit te nooi om 'n Fokusgroepvergadering (FGV) by te woon wat gehou sal word op:

**DATUM:** Woensdag, 01 November 2017  
**TYD:** 09h00  
**PLEK:** NG Kerksaal, Kerkstraat, Loeriesfontein

Hierdie FGV maak deel uit van die Omgewingsimpakevalueringsprosesse (OIE's) en Basiese Ewaluerings (BE's) prosesse wat SIVEST vir die bogenoemde projekte onderneem word.

As belanghebbende en geaffekteerde party sal ons u bywoning van die FGV op prys stel. Die doel van hierdie FGV is om:

- 'n kort / opsommende oorsig oor die voorgestelde windplase en roosterkonneksie projekte aan te bied;
- terugvoer te bied oor die sleutel omgewingsbevindinge soos vervat in die konsep Omgewingsimpakverslae (OIV's) en die aanbevole versagende maatreëls soos vervat in die konsep Omgewingsbestuursprogram (OBP'e);
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- aan u die geleentheid te bied om enige kommentaar en/or kwelling wat nog nie rakende die voorgestelde windplase en roosterkonneksie projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die FGV geopper word, aan te teken.

Om te verseker dat genoegsame sitplek by die lokaal beskikbaar is, versoek ons u vriendelik om die aangehegte Registrasievorm in te vul en dit voor of op Vrydag, 27 Oktober 2017 aan die Openbare Deelnamespan terug te stuur.





U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Albie Louw  
Plaas: Hartebeest Leegte 216, Gedeelte 1

**Per e-pos:** taaiboshoek@gmail.com

Beste Mnr Louw

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Deon van der Westhuizen  
Plaas: Klein Rooiberg

Per e-pos: [deon@vdwestassoc.co.za](mailto:deon@vdwestassoc.co.za) / [doenvdw@telkomsa.net](mailto:doenvdw@telkomsa.net)

Beste Mnr Van der Westhuizen

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Om te verseker dat genoegsame sitplek by die lokaal beskikbaar is, versoek ons u vriendelik om die aangehegte Registrasievorm in te vul en dit voor of op Vrydag, 27 Oktober 2017 aan die Openbare Deelnamespan terug te stuur.



U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Frans Lombard  
Plaas: Karree Doorn 214, Gedeelte 1

**Per e-pos:** frans.lombard@torreparts.com

Beste Mnr Lombard

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwborg

Datum 23 Oktober 2017

Mnr Francois van der Merwe  
Plaas: Sous 226, Restant

**Per e-pos:** francois@tierhoek.co.za

Beste Mnr Van der Merwe

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

**DO Verw.:** Hartebeest Leegte windplaas 14/12/16/3/3/2/1015  
Ithemba Windplaas 14/12/16/3/3/2/1016  
Graskoppies Windplaas 14/12/16/3/3/2/1017  
!Xha Boom 14/12/16/3/3/2/1018

**DO Verw vir Roosterkonneksie:**  
Moet aangekondig word

• **UITNODIGING NA FOKUSGROEPVERGADERING**

Die doel van hierdie brief is om u vriendelik uit te nooi om 'n Fokusgroepvergadering (FGV) by te woon wat gehou sal word op:

**DATUM:** Woensdag, 01 November 2017  
**TYD:** 09h00  
**PLEK:** NG Kerksaal, Kerkstraat, Loeriesfontein

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U verwysing:

Ons verwysing 13622 - Leeuwborg

Datum 23 Oktober 2017

Mnr Fred Versfeld  
Plaas: Buchufontein 184, Restant

**Per e-pos:** fjvers@mweb.co.za

Beste Mnr Versfeld

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwberg

Datum 23 Oktober 2017

Mnr Gys Lombard  
Plaas: Karree Doorn 214, Gedeelte 1

**Per e-pos:** [frans.lombard@torreparts.com](mailto:frans.lombard@torreparts.com)

Beste Mnr Lombard

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwborg

Datum 23 Oktober 2017

Mnr Hein Burden  
Plaas: Georgs Vlei 217, Gedeelte 2

**Per e-pos:** hein.carli@gmail.com

Beste Mnr Burden

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'r'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwborg

Datum 23 Oktober 2017

Mnr Hermanus Louw  
Plaas: Hartebeest Leegte 216, Restant en Gedeelte 1

Per e-pos: taaiboshoek@gmail.com

Beste Mnr Louw

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Hermanus Nel  
Voordag Trust  
Plaas: Hartebeest Leegte 216, Restant

**Per e-pos:** desertrose@nashuaisp.co.za

Beste Mnr Nel

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Neem asseblief ook kennis dat 'n **Publieke Ope-Dag** op **Woensdag, 01 November 2017** vanaf **11h30** tot **13h00** in die Loeriesfontein Sportsaal, Rugbystraat, Loeriesfontein gehou sal word.

Ons sien uit na u bywoning en betekenisvolle bydraes.

Vriendelike groete,



Andrea Gibb  
Omgewingskonsultant  
**SiVEST Omgewingsafdeling**

**Aangehegte dokumente:**      Konsep sakelys  
FGV Registrasievorm

U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Henri Smit  
Plaas: Zuur Fontein 224, Gedeelte 1

**Per e-pos:** hsafrino@telkomsa.net

Beste Mnr Smit

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwborg

Datum 23 Oktober 2017

Mnr Herman van Heerden  
Plaas: Klein Rooiberg 227, Gedeelte 5

Per e-pos: [herman@raubicon.co.za](mailto:herman@raubicon.co.za) / [consult@raubicon.co.za](mailto:consult@raubicon.co.za)

Beste Mnr Van Heerden

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Koosie Nel  
Plaas: Graskoppies 176, Gedeelte 1

**Per e-pos:** brakbos@hantam.co.za

Beste Mnr Nel

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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U verwysing:

Ons verwysing 13622 - Leeuwborg

Datum 23 Oktober 2017

Mnr Lambert Brand  
Plaas: Georgs Vlei 217, Restant

**Per e-pos:** lwbrand@mweb.co.za

Beste Mnr Brand

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'r'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

**DO Verw.:** Hartebeest Leegte windplaas 14/12/16/3/3/2/1015  
Ithemba Windplaas 14/12/16/3/3/2/1016  
Graskoppies Windplaas 14/12/16/3/3/2/1017  
!Xha Boom 14/12/16/3/3/2/1018

**DO Verw vir Roosterkonneksie:**  
Moet aangekondig word

• **UITNODIGING NA FOKUSGROEPVERGADERING**

Die doel van hierdie brief is om u vriendelik uit te nooi om 'n Fokusgroepvergadering (FGV) by te woon wat gehou sal word op:

**DATUM:** Woensdag, 01 November 2017  
**TYD:** 09h00  
**PLEK:** NG Kerksaal, Kerkstraat, Loeriesfontein

Hierdie FGV maak deel uit van die Omgewingsimpakevalueringsprosesse (OIE's) en Basiese Evaluerings (BE's) prosesse wat SIVEST vir die bogenoemde projekte onderneem word.

As belanghebbende en geaffekteerde party sal ons u bywoning van die FGV op prys stel. Die doel van hierdie FGV is om:

- 'n kort / opsommende oorsig oor die voorgestelde windplase en roosterkonneksie projekte aan te bied;
- terugvoer te bied oor die sleutel omgewingsbevindinge soos vervat in die konsep Omgewingsimpakverslae (OIV's) en die aanbevole versagende maatreëls soos vervat in die konsep Omgewingsbestuursprogram (OBP'e);
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- aan u die geleentheid te bied om enige kommentaar en/or kwelling wat nog nie rakende die voorgestelde windplase en roosterkonneksie projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die FGV geopper word, aan te teken.

Om te verseker dat genoegsame sitplek by die lokaal beskikbaar is, versoek ons u vriendelik om die aangehegte Registrasievorm in te vul en dit voor of op Vrydag, 27 Oktober 2017 aan die Openbare Deelnamespan terug te stuur.



U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Nico Louw  
Plaas: Graskoppies 176, Gedeelte 2

**Per e-pos:** lounic@vodamail.co.za

Beste Mnr Louw

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

**DO Verw.:** Hartebeest Leegte windplaas 14/12/16/3/3/2/1015  
Ithemba Windplaas 14/12/16/3/3/2/1016  
Graskoppies Windplaas 14/12/16/3/3/2/1017  
!Xha Boom 14/12/16/3/3/2/1018

**DO Verw vir Roosterkonneksie:**  
Moet aangekondig word

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**DATUM:** Woensdag, 01 November 2017  
**TYD:** 09h00  
**PLEK:** NG Kerksaal, Kerkstraat, Loeriesfontein

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As belanghebbende en geaffekteerde party sal ons u bywoning van die FGV op prys stel. Die doel van hierdie FGV is om:

- 'n kort / opsommende oorsig oor die voorgestelde windplase en roosterkonneksie projekte aan te bied;
- terugvoer te bied oor die sleutel omgewingsbevindings soos vervat in die konsep Omgewingsimpakverslae (OIV's) en die aanbevole versagtinge maatreëls soos vervat in die konsep Omgewingsbestuursprogram (OBP'e);
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindings;
- aan u die geleentheid te bied om enige kommentaar en/or kwelling wat nog nie rakende die voorgestelde windplase en roosterkonneksie projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die FGV geopper word, aan te teken.

Om te verseker dat genoegsame sitplek by die lokaal beskikbaar is, versoek ons u vriendelik om die aangehegte Registrasievorm in te vul en dit voor of op Vrydag, 27 Oktober 2017 aan die Openbare Deelnamespan terug te stuur.



U verwysing:

Ons verwysing 13622 - Leeuwigberg

Datum 23 Oktober 2017

Mnr Theunis Kotze  
Plaas: Karree Doorn 214, Gedeelte 2

**Per e-pos:** millardkotze@gmail.com

Beste Mnr Kotze

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBP'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

**DO Verw.:** Hartebeest Leegte windplaas 14/12/16/3/3/2/1015  
Ithemba Windplaas 14/12/16/3/3/2/1016  
Graskoppies Windplaas 14/12/16/3/3/2/1017  
!Xha Boom 14/12/16/3/3/2/1018

**DO Verw vir Roosterkonneksie:**  
Moet aangekondig word

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Die doel van hierdie brief is om u vriendelik uit te nooi om 'n Fokusgroepvergadering (FGV) by te woon wat gehou sal word op:

**DATUM:** Woensdag, 01 November 2017  
**TYD:** 09h00  
**PLEK:** NG Kerksaal, Kerkstraat, Loeriesfontein

Hierdie FGV maak deel uit van die Omgewingsimpakevalueringsprosesse (OIE's) en Basiese Evalueringe (BE's) prosesse wat SIVEST vir die bogenoemde projekte onderneem word.

As belanghebbende en geaffekteerde party sal ons u bywoning van die FGV op prys stel. Die doel van hierdie FGV is om:

- 'n kort / opsommende oorsig oor die voorgestelde windplase en roosterkonneksie projekte aan te bied;
- terugvoer te bied oor die sleutel omgewingsbevindinge soos vervat in die konsep Omgewingsimpakverslae (OIV's) en die aanbevole versagtinge maatreëls soos vervat in die konsep Omgewingsbestuursprogram (OBP'e);
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- aan u die geleentheid te bied om enige kommentaar en/or kwelling wat nog nie rakende die voorgestelde windplase en roosterkonneksie projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die FGV geopper word, aan te teken.

Om te verseker dat genoegsame sitplek by die lokaal beskikbaar is, versoek ons u vriendelik om die aangehegte Registrasievorm in te vul en dit voor of op Vrydag, 27 Oktober 2017 aan die Openbare Deelnamespan terug te stuur.



## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 9:17 PM  
**To:** municipalmanager@hantam.gov.za; Riana Lock - Admin2 (Hantam Municipality)  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** EIA: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection  
**Attachments:** Leeuwborg FGM InviteLet-Hantam Local Municipality-FINAL.PDF; Leeuwborg FGM Agenda-Authorities-FINAL.PDF; Leeuwborg FGM RegForm Authorities FINAL.PDF  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Dear Mr Van Wyk,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

<b>DEA Ref.</b>	<b>Hartebeest Leegte windplaas</b>	<b>14/12/16/3/3/2/1015</b>	<b>DEA Ref for Grid Connection:</b> To be issued
	<b>Ithemba Windplaas</b>	<b>14/12/16/3/3/2/1016</b>	
	<b>Graskoppies Windplaas</b>	<b>14/12/16/3/3/2/1017</b>	
	<b>!Xha Boom</b>	<b>14/12/16/3/3/2/1018</b>	

Please find attached Hantam Local Municipality's invitation to a Focus Group Meeting to be held as follows:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

We are looking forward to a fruitful meeting.

Please do not hesitate to contact us, should you require any additional information.

Kind regards,

Nicolene Venter  
Public Participation and Stakeholder Engagement Practitioner  
Imaginative Africa (Pty) Ltd  
PO Box 61164  
PIERRE VAN RYNEVELD, 0157  
**Tel.:** 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 9:14 PM  
**To:** munman@khaima.gov.za; mmsecretary@khaima.gov.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** EIA: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection  
**Attachments:** Leeuwborg FGM InviteLet-Khai Ma Local Municipality-FINAL.PDF; Leeuwborg FGM Agenda-Authorities-FINAL.PDF; Leeuwborg FGM RegForm Authorities FINAL.PDF  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Dear Mr Isaacs,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

DEA Ref.	Hartebeest Leegte windplaas	14/12/16/3/3/2/1015	DEA Ref for Grid Connection: To be issued
	Ithemba Windplaas	14/12/16/3/3/2/1016	
	Graskoppies Windplaas	14/12/16/3/3/2/1017	
	!Xha Boom	14/12/16/3/3/2/1018	

Please find attached Khâi-Ma Local Municipality's invitation to a Focus Group Meeting to be held as follows:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

We are looking forward to a fruitful meeting.

Please do not hesitate to contact us, should you require any additional information.

Kind regards,

Nicolene Venter  
Public Participation and Stakeholder Engagement Practitioner  
Imaginative Africa (Pty) Ltd  
PO Box 61164  
PIERRE VAN RYNEVELD, 0157  
**Tel.:** 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 9:09 PM  
**To:** chrisf@namakwa-dm.gov.za; info@namakwa-dm.gov.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** EIA: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection  
**Attachments:** Leeuwborg FGM InviteLet-Namakwa District Municipality-FINAL.PDF; Leeuwborg FGM Agenda-Authorities-FINAL.PDF; Leeuwborg FGM RegForm Authorities FINAL.PDF  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Dear Mr Fortuin,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

DEA Ref.	Hartebeest Leegte windplaas	14/12/16/3/3/2/1015	DEA Ref for Grid Connection: To be issued
	Ithemba Windplaas	14/12/16/3/3/2/1016	
	Graskoppies Windplaas	14/12/16/3/3/2/1017	
	!Xha Boom	14/12/16/3/3/2/1018	

Please find attached the Namakwa District Municipality's invitation to a Focus Group Meeting to be held as follows:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

We are looking forward to a fruitful meeting.

Please do not hesitate to contact us, should you require any additional information.

Kind regards,

Nicolene Venter  
Public Participation and Stakeholder Engagement Practitioner  
Imaginative Africa (Pty) Ltd  
PO Box 61164  
PIERRE VAN RYNEVELD, 0157  
**Tel.:** 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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South Africa Mainstream Renewable Power Developments (Pty) Ltd.  
PO Box 45063,  
Claremont 7735, South Africa.  
www.mainstreamrp.com

Tel: +27 21 657 4040  
Fax: +21 21 671 5665  
info-southafrica@mainstreamrp.com

11 December 2017

Ms Riana Lock  
Town Planner:  
Hantam Municipality  
Private Bag X14  
Calvinia  
8190

**PROPOSED ESTABLISHMENT OF GRASKOPPIES 140MW WIND ENERGY FACILITY: CONFIRMATION OF MUNICIPAL SERVICES**

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop Graskoppies Wind Farm on the land parcels listed below, see **Figure 1** for site locality and turbine layout. A .kmz-file of the project site land parcels (referred to below), turbine location, gridline and closest telecoms is also attached as **Annexure A**.

- Portion 1 of Farm Hartebeest Leegte no. 216
- Portion 2 of the Farm Gras Koppies no. 176

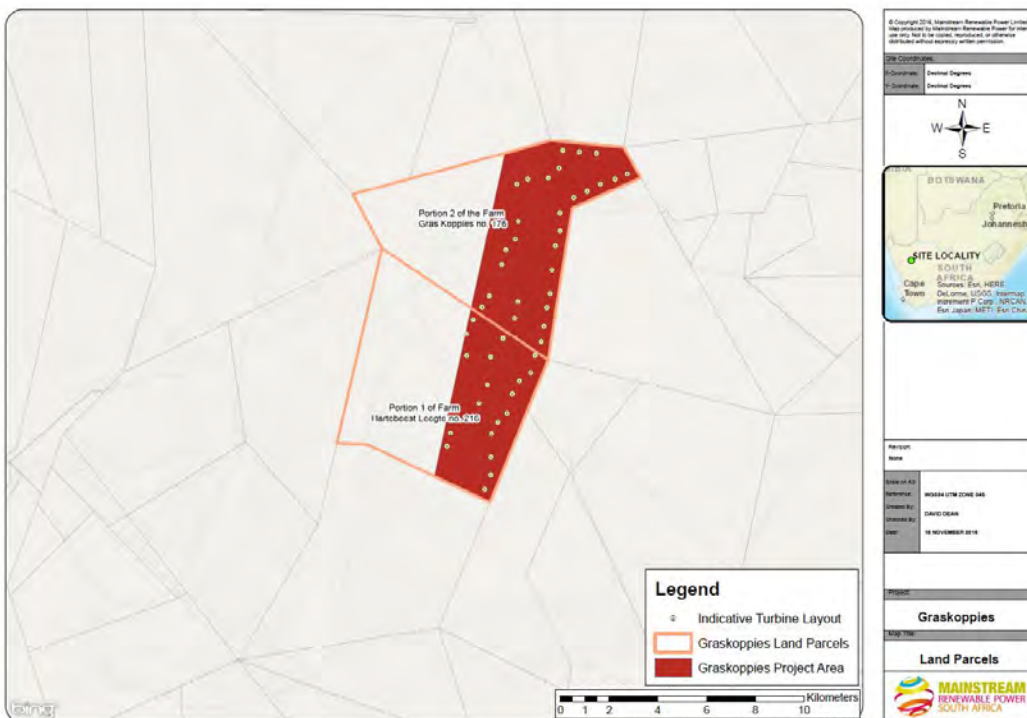


Figure 1: Site Location Map

Infrastructure for the development of the proposed wind farms will include turbines with a maximum hub height of 160m and rotator diameter of 160m, which together will not exceed 230m, there will also be cabling between project components (laid underground where possible), substations to facilitate grid connection, overhead powerlines to connect to onsite substations, a workshop area for maintenance and permanent wind monitoring masts (up to a 120m).

Registered Company Number: 2009/023000/07

As part of this process we are required to engage with your municipality in relation to the availability of municipal services (i.e. sewage, refuse removal, water and electricity) as well as any requirements of any specific By-Laws that would pertain to Wind Farms. We would therefore, like to request whether HLM can confirm there would be sufficient services to service the proposed wind farm as well as to indicate whether the proposed project triggers any Municipal By-Laws and if so what your municipality's requirements are?

We kindly request that all future correspondence to be addressed to:  
[South Africa Mainstream Renewable Power Developments \(Pty\) Ltd](#)  
[PO Box 45063](#)  
[Claremont](#)  
[7735](#)

Should you require any additional information, please feel free to contact me.

I trust that the above is in order and await your reply.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Rebecca Thomas', with a stylized flourish at the end.

---

**Rebecca Thomas**  
**Development Executive**

Tel: +27 (0)21 657 4040  
Fax: +27 (0)21 671 5665  
Cell: +27 (0)73 452 0096  
Email: [Rebecca.Thomas@mainstreamrp.com](mailto:Rebecca.Thomas@mainstreamrp.com)



South Africa Mainstream Renewable Power Developments (Pty) Ltd.  
PO Box 45063,  
Claremont 7735, South Africa.  
www.mainstreamrp.com

Tel: +27 21 657 4040  
Fax: +21 21 671 5665  
info-southafrica@mainstreamrp.com

11 December 2017

Mr Obakeng Isaacs  
Municipal Manager  
Khai Ma Local Municipality (KMLM)  
Private Bag X14  
Calvinia  
8190

**PROPOSED ESTABLISHMENT OF GRASKOPPIES 140MW WIND ENERGY FACILITY: CONFIRMATION OF MUNICIPAL SERVICES**

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop Graskoppies Wind Farm on the land parcels listed below, see **Figure 1** for site locality and turbine layout. A .kmz-file of the project site land parcels (referred to below), turbine location and gridline is attached as **Annexure A**.

- Portion 1 of Farm Hartebeest Leegte no. 216
- Portion 2 of the Farm Gras Koppies no. 176

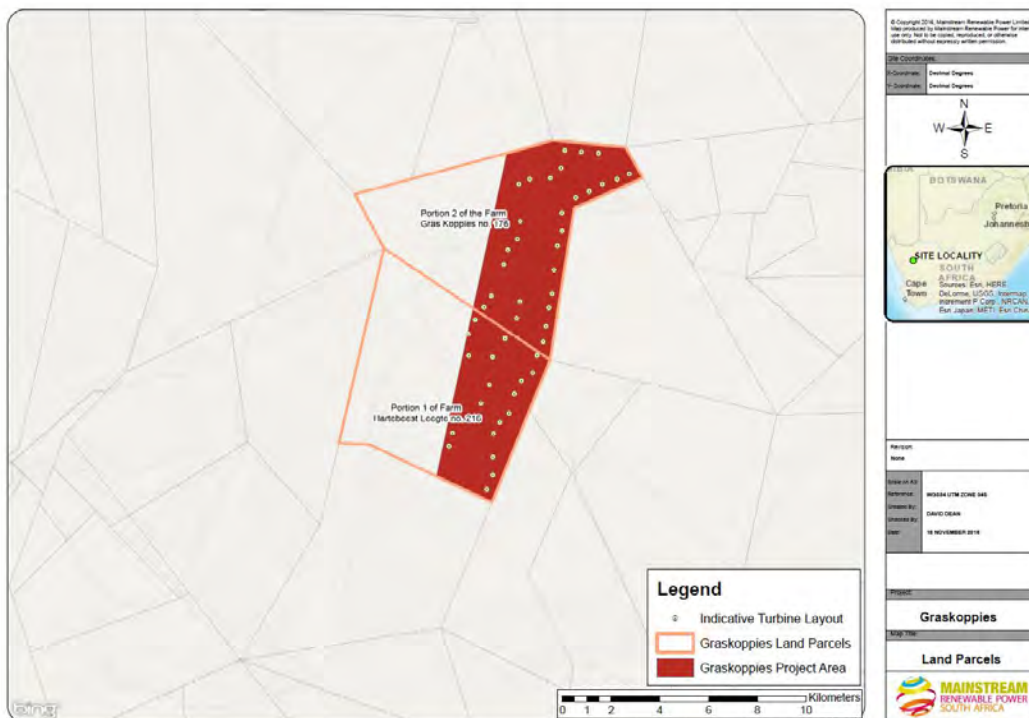


Figure 1: Site Location Map

Infrastructure for the development of the proposed wind farms will include turbines with a maximum hub height of 160m and rotator diameter of 160m, which together will not exceed 230m, there will also be cabling between project components (lain underground where possible), substations to facilitate grid connection, overhead powerlines to connect to onsite substations, a workshop area for maintenance and permanent wind monitoring masts (up to a 120m).

Registered Company Number: 2009/023000/07

As part of this process we are required to engage with your municipality in relation to the availability of municipal services (i.e. sewage, refuse removal, water and electricity) as well as any requirements of any specific By-Laws that would pertain to Wind Farms. We would therefore, like to request whether KMLM can confirm there would be sufficient services to service the proposed wind farm as well as to indicate whether the proposed project triggers any Municipal By-Laws and if so what your municipality's requirements are?

We kindly request that all future correspondence to be addressed to:  
[South Africa Mainstream Renewable Power Developments \(Pty\) Ltd](#)  
[PO Box 45063](#)  
[Claremont](#)  
[7735](#)

Should you require any additional information, please feel free to contact me.

I trust that the above is in order and await your reply.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Rebecca Thomas', with a stylized flourish at the end.

---

**Rebecca Thomas**  
**Development Executive**

Tel: +27 (0)21 657 4040

Fax: +27 (0)21 671 5665

Cell: +27 (0)73 452 0096

Email: [Rebecca.Thomas@mainstreamrp.com](mailto:Rebecca.Thomas@mainstreamrp.com)

## Stephan Jacobs

---

**From:** Rebecca Thomas <Rebecca.Thomas@mainstreamrp.com>  
**Sent:** Monday, December 11, 2017 3:16 PM  
**To:** munman@khaima.gov.za  
**Subject:** Confirmation of Municipal Services and By-laws\_Leeuwberg Suite of Wind Farms near Loeriesfontein  
**Attachments:** KMLM Graskoppies Municipal Consents Application 20171211.pdf; KMLM Ithemba Municipal Consents Application 20171211.pdf; 20170111-CH-Graskoppies-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3\_Points.kmz; 20170111-CH-Ithemba-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3\_Points.kmz  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good Day Mr Isaacs,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop the Leeuwberg Suite of Wind Farms on certain land parcels located in the Northern Cape Province, near Loeriesfontein.

As part of this process, we are required to engage with Khai Ma Local Municipality to determine availability of various services (i.e. sewage, water, etc) as well as any specific by-laws we should be aware of, specifically related to wind farm infrastructure. As such, please find applications for each of the wind farms (Graskoppies / Ithemba / Hartebeest Leegte / !Xha Boom) attached herein. We require individual correspondence per project, and would greatly appreciate your assistance in this.

We kindly request that correspondence in the responses be directed to:  
South Africa Mainstream Renewable Power Developments (Pty) Ltd  
PO Box 45063  
Claremont  
7735

Should you require any additional information please feel free to contact me.

Kind regards,




**Rebecca Thomas**  
Development Executive

Mainstream Renewable Power South Africa  
4<sup>th</sup> Floor, Mariendahl House  
Newlands on Main  
Main Road & Campground Roads  
Claremont, Cape Town  
7708

Tel: +27 (0)21 657 4040

Mob: +27 (0)73 452 0096

Email: [Rebecca.Thomas@mainstreamrp.com](mailto:Rebecca.Thomas@mainstreamrp.com)



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## Stephan Jacobs

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**From:** Rebecca Thomas <Rebecca.Thomas@mainstreamrp.com>  
**Sent:** Monday, December 11, 2017 3:09 PM  
**To:** admin2@hantam.gov.za  
**Subject:** Confirmation of Municipal Services and By-laws\_Leeuwberg Suite of Wind Farms near Loeriesfontein

**Attachments:** !Xha Boom Municipal Consents Application 20171211.pdf; 20170111-CH-Xhaboom-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3\_Points.kmz; Graskoppies Municipal Consents Application 20171211.pdf; 20170111-CH-Graskoppies-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3\_Points.kmz; Hartebeest Leegte Municipal Consents Application 20171211.pdf; 20170111-CH-Hartebeesleegte-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3\_Points.kmz; Ithemba Municipal Consents Application 20171211.pdf; 20170111-CH-Ithemba-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3\_Points.kmz

**Importance:** High

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good Day Riana,

I hope you are keeping well. It was good to meet you in person last month in Calvinia.

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop the Leeuwberg Suite of Wind Farms on certain land parcels located in the Northern Cape Province, near Loeriesfontein.

As part of this process, we are required to engage with Hantam Local Municipality to determine availability of various services (i.e. sewage, water, etc) as well as any specific by-laws we should be aware of, specifically related to wind farm infrastructure. As such, please find applications for each of the wind farms (Graskoppies / Ithemba / Hartebeest Leegte / !Xha Boom) attached herein. We require individual correspondence per project, and would greatly appreciate your assistance in this.

We kindly request that correspondence in the responses be directed to:  
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PO Box 45063  
Claremont  
7735

Should you require any additional information please feel free to contact me.

Kind regards,





**Rebecca Thomas**  
Development Executive

Mainstream Renewable Power South Africa  
4<sup>th</sup> Floor, Mariendahl House  
Newlands on Main  
Main Road & Campground Roads  
Claremont, Cape Town  
7708

Tel: +27 (0)21 657 4040  
Mob: +27 (0)73 452 0096  
Email: [Rebecca.Thomas@mainstreamrp.com](mailto:Rebecca.Thomas@mainstreamrp.com)

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## Stephan Jacobs

---

**From:** sivest\_PPP  
**Sent:** Wednesday, October 25, 2017 2:15 PM  
**To:** Andrea Gibb; 'Nicolene Venter'  
**Cc:** Shaun Taylor; Stephan Jacobs  
**Subject:** PROPOSED 4 MAINSTREAM WIND FARMS AND ASSOCIATED GRID CONNECTION /  
**Attachments:** Leeuwborg POD InviteLet (Eng) FINAL.pdf; Leeuwborg POD RegForm (Eng) FINAL.PDF; Leeuwborg POD InviteLet (Afr) FINAL.pdf; Leeuwborg POD RegForm (Afr) FINAL.PDF

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Dear Interested and/or Affected Party,

### ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DEA Ref. Hartebeest Leegte Wind Farm 14/12/16/3/3/2/1015  
Ithemba Wind Farm 14/12/16/3/3/2/1016  
Graskoppies Wind Farm 14/12/16/3/3/2/1017  
!Xha Boom Wind Farm 14/12/16/3/3/2/1018  
DEA Ref for Grid Connection: To be issued

Please find attached your invitation to attend the Public Open Day (poster display) that will be held for the above-mentioned proposed projects on:

DATE	TIME	VENUE
Wednesday, 01 November 2017	Starts at <b>11h30</b> until <b>13h00</b>	Loeriesfontein Recreation Hall, Rugby Street, Loeriesfontein

We kindly request that you complete the attached Registration Form and return it to the Public Participation team on or before Friday, 27 October 2017.

Kind regards

\*\*\*\*\*

Beste Belanghebbende en/of Geaffekteerde Pary,

**OMGEWINGSIMPAAKEWALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

**DO Verw. Hartebeest Leegte Windplaas 14/12/16/3/3/2/1015**

**Ithemba Windplaas 14/12/16/3/3/2/1016**

**Graskoppies Windplaas 14/12/16/3/3/2/1017**

**!Xha Boom Windplaas 14/12/16/3/3/2/1018**

**DO Verw vir Roosterkonneksie: Moet aangekondig word**

Vind asseblief aangeheg u uitnodiging om die Publieke-Opedag wat vir die bogenoemde voorgestelde projekte gehou word op:

DATUM	TYD	PLEK
Woensdag, 01 November 2017	Begin om <b>11h30</b> tot <b>13h00</b>	Loeriesfontein Sportsaal, Rugbystraat, Loeriesfontein

Ons versoek u vriendelik om die ingeslote Registrasievorm te voltooi en aan die Openbare Deelname span te stuur voor of op Vrydag, 27 Oktober 2017.

Vriendelike groete,

**Andrea Gibb** (*B.Sc. Landscape Architecture; B.Sc(Hons) Environmental Management*)

Environmental Practitioner and Visual Specialist

**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

**Direct** +27 11 798 0677 **Tel** +27 11 798 0600 **fax** +27 11 803 7272 **cell** +27 72 737 2114

**email** [stephaj@sivest.co.za](mailto:stephaj@sivest.co.za) **website** [www.sivest.co.za](http://www.sivest.co.za)



**Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners**

Durban - Johannesburg - Pietermaritzburg - Richards Bay - Port Louis (Mauritius)

## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:36 PM  
**To:** fjvers@mweb.co.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR F VERSFELD (BUCHUFONTEIN).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Beste Fred,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

Vind asseblief aangeheg u uitnodiging na die Fokusgroepvergadering wat gehou word op:

**Datum:** Woensdag, 01 November 2017

**Tyd:** 09h00

**Plek:** NG Kerkzaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:34 PM  
**To:** herman@raubicon.co.za; consult@raubicon.co.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR H VAN HEERDEN (KLEIN ROOIBERG).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

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**Flag Status:** Completed

Beste Herman,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

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PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:33 PM  
**To:** deon@vdwestassoc.co.za; deonvdw@telkomsa.net  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR D VAN DER WESTHUIZEN (KLEIN ROOIBERG).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

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Beste Deon,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:31 PM  
**To:** Francois van der Merwe  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwborg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwborg FGM Uitnodigingsbrief-MNR F VAN DER MERWE (SOUS).pdf; Leeuwborg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwborg FGM RegForm (Afr) FINAL.PDF; Leeuwborg FGM RegForm (Eng) FINAL.PDF

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Beste Francois,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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**Tyd:** 09h00

**Plek:** NG Kerkzaal, Kerkstraat, Loeriesfontein

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Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:30 PM  
**To:** hsafrino@telkomsa.net  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwborg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwborg FGM Uitnodigingsbrief-MNR H SMIT (Zuur Fontein).pdf; Leeuwborg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwborg FGM RegForm (Afr) FINAL.PDF; Leeuwborg FGM RegForm (Eng) FINAL.PDF

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Beste Henri,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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**Tyd:** 09h00

**Plek:** NG Kerksaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:26 PM  
**To:** desertrose@nashuaisp.co.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwborg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwborg FGM Uitnodigingsbrief-MNR H NEL (HARTEBEEST LEEGTE).pdf; Leeuwborg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwborg FGM RegForm (Afr) FINAL.PDF; Leeuwborg FGM RegForm (Eng) FINAL.PDF

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Beste Hermanus,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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**Tyd:** 09h00

**Plek:** NG Kerksaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:25 PM  
**To:** brakbos@hantam.co.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR K NEL (GRASKOPPIES).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

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**Flag Status:** Completed

Beste Koosie,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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**Datum:** Woensdag, 01 November 2017

**Tyd:** 09h00

**Plek:** NG Kerkzaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:23 PM  
**To:** lounic@vodamail.co.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwborg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwborg FGM Uitnodigingsbrief-MNR N LOUW (GRASKOPPIES).pdf; Leeuwborg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwborg FGM RegForm (Afr) FINAL.PDF; Leeuwborg FGM RegForm (Eng) FINAL.PDF

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Beste Nico,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

Vind asseblief aangeheg u uitnodiging na die Fokusgroepvergadering wat gehou word op:

**Datum:** Woensdag, 01 November 2017

**Tyd:** 09h00

**Plek:** NG Kerkzaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:21 PM  
**To:** frans.lombard@torreparts.com  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigburg FGM Uitnodigingsbrief-MNR F LOMBARD (KARREE DOORN).pdf; Leeuwigburg FGM Uitnodigingsbrief-MNR G LOMBARD (KARREE DOORN).pdf; Leeuwigburg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigburg FGM RegForm (Afr) FINAL.PDF; Leeuwigburg FGM RegForm (Eng) FINAL.PDF

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**Flag Status:** Completed

Beste Frans,  
(Frans, ek sal dit waardeer as jy asseblief jou Pa se brief aan hom deurgee)

**OMGEWINGSIMPAAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

Vind asseblief aangeheg u uitnodiging na die Fokusgroepvergadering wat gehou word op:

**Datum:** Woensdag, 01 November 2017  
**Tyd:** 09h00  
**Plek:** NG Kerksaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter  
Publieke Deelname Konsultant  
Imaginative Africa (Edms) Bpk  
Posbus 61164  
PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:18 PM  
**To:** millardkotze@gmail.com  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR T KOTZE (KAREE DOORN).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

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Beste Theuns

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:16 PM  
**To:** Carli Burden  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwborg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwborg FGM Uitnodigingsbrief-MNR H BURDEN (Plaas Georgs Vley).pdf; Leeuwborg FGM Uitnodigingsbrief-MEV M BURDEN (Plaas Georgs Vley).pdf; Leeuwborg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwborg FGM RegForm (Afr) FINAL.PDF

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**Flag Status:** Completed

Beste Hein,  
(Hein/Carli, sal julle Mev Marie Burden haar uitnodiging deurgee asb)

### **OMGEWINGSIMPAAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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**Plek:** NG Kerksaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter  
Publieke Deelname Konsultant  
Imaginative Africa (Edms) Bpk  
Posbus 61164  
PIERRE VAN RYNEVELD, 0157  
**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 8:11 PM  
**To:** lvwbrand@mweb.co.za  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR L BRAND (Plaas Georgs Vley).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

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**Flag Status:** Completed

Beste Lambert,

### **OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

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Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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## Stephan Jacobs

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**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 23, 2017 7:44 PM  
**To:** taaiboshoek@gmail.com  
**Cc:** Andrea Gibb; Shaun Taylor; Stephan Jacobs  
**Subject:** OIE: Beoogde Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering  
**Attachments:** Leeuwigberg FGM Uitnodigingsbrief-MNR A LOUW (HARTEBEESTE LEEGTE).pdf; Leeuwigberg FGM Uitnodigingsbrief-MNR H LOUW (HARTEBEESTE LEEGTE).pdf; Leeuwigberg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigberg FGM RegForm (Afr) FINAL.PDF; Leeuwigberg FGM RegForm (Eng) FINAL.PDF

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Beste Albie en Hermanus,

### **OMGEWINGSIMPAAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

Vind asseblief aangeheg u uitnodiging na die Fokusgroepvergadering wat gehou word op:

**Datum:** Woensdag, 01 November 2017

**Tyd:** 09h00

**Plek:** NG Kerksaal, Kerkstraat, Loeriesfontein

Ons sien uit om u daar te ontmoet en na 'n goeie besprekingsessie.

Vriendelike groete

Nicolene Venter

Publieke Deelname Konsultant

Imaginative Africa (Edms) Bpk

Posbus 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Mobiele no:** 083 377 9112 / **E-pos:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

 Please, consider our environment. Before printing this e-mail ask yourself: "Do I need a hard copy?"

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

DEA Ref.	Hartebeest Leegte windplaas	14/12/16/3/3/2/1015	DEA Ref for Grid Connection:	To be issued
	Ithemba Windplaas	14/12/16/3/3/2/1016		
	Graskoppies Windplaas	14/12/16/3/3/2/1017		
	!Xha Boom	14/12/16/3/3/2/1018		

**FOCUS GROUP MEETING: Authorities**  
**Tuesday, 31 October 2017 at 14h30**  
**Hantam Local Municipality Board Room, Hope Street, Calvinia**

**PURPOSE OF THE MEETING**

- provide a brief overview/summary of the proposed wind farms and grid line projects;
- provide feedback on the environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIRs);
- provide feedback on the mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPrs);
- provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- provide the opportunity to raise any comments and/or concerns not yet raised regarding this proposed wind farms and grid line projects; and
- record your comments and/or concerns raised at the Focus Group Meeting.

**DRAFT AGENDA**

**Facilitator:** Nicolene Venter, Imaginative Africa

WELCOME, INTRODUCTION & APOLOGIES	Nicolene Venter
PURPOSE AND PROCESS OF THE MEETING	Nicolene Venter
BACKGROUND TO THE PROPOSED PROJECTS	Stephan Jacobs SIVEST
ENVIRONMENTAL ASPECTS AND FINDINGS	Stephan Jacobs
DISCUSSION SESSION	All
WAY FORWARD & CLOSURE	Nicolene Venter

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

DEA Ref. Hartebeest Leegte windplaas	14/12/16/3/3/2/1015	DEA Ref for Grid Connection: To be issued
Ithemba Windplaas	14/12/16/3/3/2/1016	
Graskoppies Windplaas	14/12/16/3/3/2/1017	
!Xha Boom	14/12/16/3/3/2/1018	

**REGISTRATION FORM**

**FOCUS GROUP MEETING: Authorities**

**Tuesday, 31 October 2017 at 14h30**

**Hantam Local Municipality Board Room, Hope Street, Calvinia**

Please **complete** this form and return it to the Public Participation Office at the following address **on or before Friday, 27 October 2017.**

<b>SIVEST Environmental Division</b>	51 Wessel Road	Phone	+27 11 798 0600
<b>Attention:</b>	PO Box 2921	Fax	+27 11 803 7272
Nicolene Venter or Lynsey Rimbault	Rivonia 2128	E-mail	hlengiwen@sivest.co.za South Africa
		Website	www.sivest.co.za

<b>TITLE</b> (Prof/Mr/Mrs)		<b>FIRST NAME</b>	
<b>SURNAME</b>			
<b>CAPACITY / POSITION</b>			
<b>DEPARTMENT</b>			
<b>POSTAL ADDRESS</b>			<b>POSTAL CODE</b>
<b>TEL NO:</b>			
<b>CELL NO:</b>			
<b>FAX NO:</b>			
<b>E-MAIL ADDRESS:</b>			
<b>Please indicate your choice by <i>circling</i> the appropriate block</b>			
Will you attend the Focus Group Meeting?	<b>YES</b>	<b>NO</b>	
If not able to attend would like to receive a copy of the draft Minutes?	<b>YES</b>	<b>NO</b>	

**THANK YOU FOR REGISTERING**

**OMGEWINGSIMPAKEVALUERINGS (OIE's) EN OMGEWINGSBESTUURSPROGRAMME (OBPr'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE**

DO Verw.: Hartebeest Leegte windplaas 14/12/16/3/3/2/1015  
 Ithemba Windplaas 14/12/16/3/3/2/1016  
 Graskoppies Windplaas 14/12/16/3/3/2/1017  
 !Xha Boom 14/12/16/3/3/2/1018

DO Verw vir Roosterkonneksie:  
 Moet aangekondig word

**REGISTRASIEVORM  
 PUBLIEKE-OPEDAG**

**Woensdag, 01 November 2017 vanaf 11h30 tot 13h00  
 Loeriesfontein Sportsentrum, Rugbystraat, Loeriesfontein**

Voloit asseblief die vorm en stuur terug aan die Openbare Deelname Kantoor by ondergenoemde adres voor of op  
Vrydag, 27 Oktober 2017.

**SiVEST Environmental Division** Wesselstraat 51 Foon +27 11 798 0600  
**Aandag:** Posbus 2921 Faks +27 11 803 7272  
 Nicolene Venter / Lynsey Rimbault Rivonia 2128 E-pos hlengiwen@sivest.co.za  
 Webwerf www.sivest.co.za

<b>TITEL</b> (Prof/Mnr/Mev)		<b>NOEMNAAM</b>	
<b>VAN</b>			
<b>POSBENAMING</b> (bv Gemeenskapslid / Direkteur)			
<b>ORGANISASIE</b>			
<b>POSADRES</b>			<b>POSKODE</b>
<b>TEL. NO.:</b>			
<b>FAKS NO.:</b>			
<b>SELFOON NO.:</b>			
<b>E-POS ADRES</b>			
<b><i>Omkring</i> asseblief die toepaslike antwoord</b>			
Gaan u die Publieke-Opedag bywoon?		<b>JA</b>	<b>NEE</b>
Indien nie, verlang u 'n kopie van die konsep Notas?		<b>JA</b>	<b>NEE</b>

**DANKIE VIR U REGISTRASIE**  
**See riverside side for English**

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPRs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

DEA Ref. Hartebeest Leegte Wind Farm	14/12/16/3/3/2/1015	DEA Ref for Grid Connection: To be issued
Ithemba Wind Farm	14/12/16/3/3/2/1016	
Graskoppies Wind Farm	14/12/16/3/3/2/1017	
!Xha Boom Wind Farm	14/12/16/3/3/2/1018	

**REGISTRATION FORM**

**PUBLIC OPEN DAY**

**Wednesday, 01 November 2017 from 11h30 to 13h00**

**Loeriesfontein Recreation Hall, Ruby Street, Loeriesfontein**

Please **complete** this form and return it to the Public Participation Office at the following address **on or before Friday, 27 October 2017.**

<b>SiVEST Environmental Division</b>	51 Wessel Road	Phone	+27 11 798 0600
<b>Attention:</b>	PO Box 2921	Fax	+27 11 803 7272
Nicolene Venter or Lynsey Rimbault	Rivonia 2128	E-mail	hlengiwen@sivest.co.za South Africa
		Website	www.sivest.co.za

<b>TITLE</b> (Prof/Mr/Mrs)		<b>FIRST NAME</b>	
<b>SURNAME</b>			
<b>CAPACITY</b> (e.g. Community Member / Director)			
<b>COMPANY / ORGANISATION</b>			
<b>POSTAL ADDRESS</b>			<b>POSTAL CODE</b>
<b>TEL NO:</b>			
<b>CELL NO:</b>			
<b>FAX NO:</b>			
<b>E-MAIL ADDRESS:</b>			
<b>Please indicate your choice by <i>circling</i> the appropriate block</b>			
Will you attend the Public Open Day	<b>YES</b>	<b>NO</b>	
If not able to attend would like to receive a copy of the draft Notes?	<b>YES</b>	<b>NO</b>	

**THANK YOU FOR REGISTERING**  
**Sien keersy vir Afrikaans**

## Stephan Jacobs

---

**From:** Nicolene Venter <nicolene@imaginativeafrica.co.za>  
**Sent:** Monday, October 30, 2017 12:59 PM  
**To:** mayor@khaima.gov.za; mmsecretary@khaima.gov.za; munman@khaima.gov.za  
**Cc:** Andrea Gibb; Stephan Jacobs; Shaun Taylor; Hlengiwe Ntuli  
**Subject:** FW: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection  
**Attachments:** Leeuwborg FGM InviteLet-Khai Ma Local Municipality-FINAL.PDF; Leeuwborg FGM Agenda-Authorities-FINAL.PDF; Leeuwborg FGM RegForm Authorities FINAL.PDF  
**Importance:** High

Dear Mr Green (Alfredo)

Please see e-mail communication below addressed to Mr Isaacs, Municipal Manager, Khâi-Ma Local Municipality dated Monday, 23 October 2017.

Attached is the Focus Group Meeting invitation letter outlining the details of the meeting which is taking place on:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30

**VENUE:** Commando Offices, Dorp Street, Calvinia (**please note:** the venue as on the invitation letter has changed)

I contact Natasha (Mr Isaacs Personal Assistant) a few minutes ago who informed me that Mr Isaacs is only returning to his office tomorrow from his official business in Bloemfontein and will not be able to attend the meeting.

We kindly request that, if possible, that an Official Representative (or Representatives) from Khâi-Ma Local Municipality attend the Focus Group Meeting.

We are looking forward to hear from you.

Kind regards,

Nicolene Venter  
Public Participation and Stakeholder Engagement Practitioner  
Imaginative Africa (Pty) Ltd  
PO Box 61164  
PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Cell:** 083 377 9112 / **Fax:** 086 415 5011 / **E-mail:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

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**From:** Nicolene Venter  
**Sent:** Monday, October 23, 2017 9:46 PM  
**To:** 'mmsecretary@khaima.gov.za' <mmsecretary@khaima.gov.za>  
**Subject:** FW: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection  
**Importance:** High

Nicolene Venter  
Public Participation and Stakeholder Engagement Practitioner

Imaginative Africa (Pty) Ltd

PO Box 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

 Please, consider our environment. Before printing this e-mail ask yourself: "Do I need a hard copy?"

---

**From:** Nicolene Venter

**Sent:** Monday, October 23, 2017 9:13 PM

**To:** 'munman@khaima.gov.za' <[munman@khaima.gov.za](mailto:munman@khaima.gov.za)>; 'mmsecretary@khaima.gov.za' <[mmsecretary@khaima.gov.za](mailto:mmsecretary@khaima.gov.za)>

**Cc:** Andrea Gibb <[AndreaG@sivest.co.za](mailto:AndreaG@sivest.co.za)>; Shaun Taylor <[ShaunT@sivest.co.za](mailto:ShaunT@sivest.co.za)>; Stephan Jacobs <[StephanJ@sivest.co.za](mailto:StephanJ@sivest.co.za)>

**Subject:** EIA: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection

**Importance:** High

Dear Mr Isaacs,

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DEA Ref. Hartebeest Leegte windplaas 14/12/16/3/3/2/1015**  
issued

**DEA Ref for Grid Connection: To be**

**Ithemba Windplaas 14/12/16/3/3/2/1016**

**Graskoppies Windplaas 14/12/16/3/3/2/1017**

**!Xha Boom 14/12/16/3/3/2/1018**

Please find attached Khâi-Ma Local Municipality's invitation to a Focus Group Meeting to be held as follows:

**DATE:** Tuesday, 31 October 2017

**TIME:** 14h30

**VENUE:** Hantam Local Municipality Board Room, Hope Street, Calvinia

We are looking forward to a fruitful meeting.

Please do not hesitate to contact us, should you require any additional information.

Kind regards,

Nicolene Venter

Public Participation and Stakeholder Engagement Practitioner

Imaginative Africa (Pty) Ltd

PO Box 61164

PIERRE VAN RYNEVELD, 0157

**Tel.:** 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** [nicolene@imaginativeafrica.co.za](mailto:nicolene@imaginativeafrica.co.za)

 Please, consider our environment. Before printing this e-mail ask yourself: "Do I need a hard copy?"







**Appendix 7C**  
**Proof of Advertisements**



**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4)  
WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES  
NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE**

- Graskoppies Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegte Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Graskoppies Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) soos gewysig en die Regulasies op Omgewingsimpakevaluerings (OIE-regulasies), ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 afgekondig en op 7 April 2017 gewysig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) SiVEST SA (Edms.) Bpk. aangestel het as die onafhanklike Omgewingsevalueringpraktisyn (OEP) om die nodige Omgewingsimpakevaluerings (OIE's), Basiese Evaluering (BE's) en Openbare Deelnameproses vir die bogenoemde beoogde projekte te onderneem:

**PROJEKBESKRYWING**

Mainstream beoog die ontwikkeling van vier (4) windplase naby Loeriesfontein in die Noord-Kaapprovinsie. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, Xha! Boom Windplaas, Hartebeest Leegte Windplaas en Ithemba Windplaas. Daarbenewens beoog Mainstream die oprigting van vier (4) 132 kV kraglyne, vier (4) 33 kV/132 kV interne substasies en 'n 132 kV Skakelsubstasie (hierna die "roosterkonneksies" genoem) om die beoogde windplase by die Helios Substasie met die nasionale kragnet te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elke windplaas 'n aparte Omgewingsmagtiging (OM) benodig. Daarbenewens sal elke roosterkonneksie ook 'n aparte OM benodig. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elke windplaas en die gepaardgaande roosterkonneksie apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) van die beoogde projekte onderneem. Die potensiële omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

**PROJEKLISSING**

Die projekgebied vir die beoogde windplase en gepaardgaande roosterkonneksies sal sowat 62 km noord van Loeriesfontein, in die Khai-ma en Hantam Plaaslike Munisipaliteite in die Noord-Kaapprovinsie geleë wees.

**BESKIKBAARHEID VAN DIE KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE**

Die Konsep Bestekopnameverslae (KBV's) vir die beoogde windplase sal vanaf **Woensdag, 21 Junie 2017 tot Vrydag, 21 Julie 2017** (teen sluitingstyd) beskikbaar wees vir openbare kommentaar en insae. Indien u 'n elektroniese kopie van die KBV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Gedrukte kopieë van die KBV's kan by enige van die volgende openbare plekke nagegaan word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Loeriesfontein Biblioteek	Hoofstraat, Loeriesfontein	Maandae – Vrydae 14h00 – 17h00	027 662 8607

Die verslae is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za/>, klik op 'Downloads' en soek dan vir die vouer '13622 Mainstream Wind Farms'.

**Ten einde as 'n Belangstellende en/of Geaffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom**, verstrek asseblief u naam, kontakbesonderhede en die belang wat u by die aansoek het binne 30 dae vanaf die datum van hierdie kennisgewing. Rig asseblief **skriftelike** navrae aan die Omgewingskonsultante hieronder:

<b>Hlengiwe Ntuli or Stephan Jacobs</b>	
SiVEST Environmental	
Posbus 2921	Telefoon: 011 798 0600
RIVONIA	Faks: 011 803 7272
2128	E-pos: <a href="mailto:hlengiw@zivest.co.za">hlengiw@zivest.co.za</a> of <a href="mailto:stephanj@zivest.co.za">stephanj@zivest.co.za</a>
	Webwerf: <a href="http://www.sivest.co.za">www.sivest.co.za</a>

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

- Graskoppies Wind Farm – (DEA Ref No: To be announced)
- Xha! Boom Wind Farm – (DEA Ref No: To be announced)
- Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)
- Ithemba Wind Farm – (DEA Ref No: To be announced)
- Graskoppies Grid Connection – (DEA Ref No: To be announced)
- Xha! Boom Grid Connection – (DEA Ref No: To be announced)
- Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)
- Ithemba Grid Connection – (DEA Ref No: To be announced)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 7 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as “Mainstream”) has appointed SiVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and Public Participation Process for the above-mentioned proposed projects.

**PROJECT DESCRIPTION**

Mainstream are proposing to develop four (4) wind farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, Xha! Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct (4) 132kV power lines, four (4) 33kV/132kV on-site substations and a 132kV Linking Substation (hereafter referred to as the “grid connections”), to connect the proposed wind farms to the national grid at Helios Substation.

In order to accommodate the Department of Energy’s (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA. As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

**PROJECT LOCATION**

The project area for the proposed wind farms and associated grid connections will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province.

**AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW**

The Draft Scoping Reports (DSRs) for the proposed wind farms will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays- Fridays 14h00 – 17h00	027 662 8607

The reports are also available on SiVEST’s website: <http://www.sivest.co.za/>, click on ‘Downloads’ then browse to the folder ‘13622 Mainstream Wind Farms’.

**To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information** please submit your name, contact details and the interest which you have in the application within 30 days from the date of this notice. Please direct enquiries, **in writing**, to the Environmental Consultants below:

<b>Hlengiwe Ntuli or Stephan Jacobs</b>	
SiVEST Environmental P O Box 2921 RIVONIA 2128	Tel: (011) 798 0600 Fax: (011) 803 7272 E-mail: hlengiwen@sivest.co.za or stephanj@sivest.co.za Website: www.sivest.co.za



### BOERNEEF HERLEEF

VERSKEIE kunstenaars gaan binnekort by die Innibos Kunstefees optree in Flennie die Snare waarin hulde gebring word aan Boerneef (Izak W. van der Merwe) in woord en klank. Van links is Daniella Deysel, Johnny Klein, wat die rol van Dirk Ligter sal vertolk, Anna Davel en Chris Chameleon as Izak.

### OUMA NORTJÉ

CLOETE NORTJÉ vader van die bruidegom saam met sy suster Bea Mari Moller en sy moeder mev. Beatie Nortjé by die huwelik van sy seun Nic Saterdag 11 Junie 2017 op Fra serburg.

NELSPRUIT – 50 jaar na sy dood, word Boerneef ver-  
eër in woord en klank in die  
produksie Flennie die Snare  
by die Innibos Laeveldse  
Nasionale Kunstefees, vanaf  
5 tot 8 Julie in die Nelspruit  
Hoërskool-ouditorium.

Bantom hom so; En flennie die  
snare; Ek is verlief op die kind;  
Die son slaan vuur uit die  
sweetyshare; Ek is verlief op  
die kind. Boerneef, "Voshaar-  
nooi" getoonset deur Louis  
van Rensburg. Hierdie (nou  
reeds welbekende) woorde ver-  
skyn in 1959 in een van Boer-  
neef se gedigte in sy tweede  
bundel Ghaap en kambro.

In 1986 skep Louis van Rens-  
burg die ikoniese lied Voshaar-  
nooi deur drie van Boerneef se  
gedigte te kombineer en te  
toonset. Voshaarnooi word ge-  
bruik as 'n temalied vir die  
televisierreeks Ballade vir 'n  
Enkeling.

Boerneef was skrywer, digter,  
leksikograaf en akademikus,  
en laat 'n skatkis van prosa en  
poësie agter na sy afsterwe op  
2 Julie 1967. En nou, 50 jaar na  
sy dood, word Boerneef met 'n  
sterbelaaide rolverdeling en  
kreatiewe span. Chris Chame-  
leon, Anna Davel, Johnny Klein  
en Daniella Deysel deel die  
verhoog met Jaco-nell Mouton  
(musikale regisseur), Mauritz  
Lotz en Riaan van Rensburg.  
Frans Swart het die teks ge-  
skryf en hanteer ook die regie.

*Flennie die Snare* word ange-  
gebied met die ruim ondersteun-  
ing van die Innibos Laeveldse  
Nasionale Kunstefees.

Boerneef, die skrywersnaam  
van Izak Wilhelmus van der  
Merwe, is op 11 Mei 1897 op  
Boplaas in Ceres se Koue Bok-

## INNIEBOS KUNSTEFEEES NA 50 JAAR

# Boerneef Flennie die snare in 2017

keveld gebore. Hy het in Ceres  
skoolgegaan en later aan die  
Universiteit van Kaapstad stu-  
deer, waar hy 'n meestersgraad  
en 'n B.Ed.-graad voltooi het.  
Na sy studies het hy hom as  
onderwyser aan die Suid-  
Afrikaanse Kollege Hoërskool  
okkwaam. In die dertigerjare  
is hy een van die leidende fi-  
gure in die Kaapse letterkun-  
dige kringe, wat ook N.P. van  
Wyk Louw, W.E.G. Louw,  
Hettie Smit, F.J. le Roux en J.  
du P. Scholtz insluit. Hy is in  
1936 'n stigterslid van die Vere-  
niging vir die Vrye Boek, wat  
onder meer Hettie Smit se Sy  
kom met die sekelmaan en Van  
Wyk Louw se Die halwe kring  
publiseer.

Boerneef se eerste skryftaak  
(onder sy regte naam) was om  
saam met professor D.B. Bos-  
man (en later ook L.W. Hiem-  
st-a) 'n Tweetalige Woorde-  
boek vir Engels en Afrikaans  
saam te stel, wat dan ook die  
standaardwerk op hierdie ge-  
bied word (eerste uitgawe in  
1936 en daarna telkens hersien  
er aangevul). Tussen 1922 en  
1961 was hy 'n dosent en later  
'n professor in Afrikaans en  
Nederlands aan die Universi-  
teit van Kaapstad.

Boerneef was 'n woordkunste-  
naar wat taal soos 'n instru-  
ment hanteer het, en ontvang  
hy in 1963 postuum die Hert-  
zog-prys vir poësie.

## DRAWWERS

CALVINIA – Sewentien atlete  
het deelgeneem aan die Han-  
tam Drawwers se weeklikse 5  
kilometer tydtoets gehardloop  
Dinsdag 13 Junie.

Seniors: 1. Jonathan Lakay  
18.26; 2. Boelie Tieties 18.40; 3.  
Cornelus Louw 19.04; 4. Frans  
Louw 19.41; 5. Inalene Nel  
23.58; 6. Janine Brynard 30.37.

Juniors (seuns): 1. Bertus Links  
17.50; 2. Ruben Louw 18.06; 3.  
Gideon Louw 18.53; 4. Ray-  
mond Julies 19.31; 5. Brandley  
Witbooi 19.40; 6. Leonardo  
Opperman 20.15; 7. Randal  
Snyder 23.39; 8. Cernot Louw  
23.29; 9. Franklyn Lakay 23.39;  
10. Dalon Galant 25.40.

Die 5km tydtoets vind elke  
week plaas - Dinsdae vanaf  
Hantampark - 17:30. Almal is  
welkom - fiks of onfiks! Vir  
verdere inligting skakel Bertus  
Links 084 217 6597 of Fran-  
cois Heunis 079 772 7858.

SIVEST  
Environmental Division



Gestig in 1952

## OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE

- ★ Graskoppies Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Xhal Boom Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Hartebeest Leegte Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Ithemba Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Graskoppies Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- ★ Xhal Boom Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- ★ Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- ★ Ithemba Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) soos gewysig en die Regulasies op Omgewingsimpak-evaluerings (OIE-regulasies), ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 afgekondig en op 7 April 2017 gewysig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) SIVEST SA (Edms.) Bpk. aangestel het as die onafhanklike Omgewingsimpak-evalueringspraktisyn (OEP) om die nodige Omgewingsimpak-evaluerings (OIE's), Basiese Evalueerings (BE's) en Openbare Deelnameproses vir die bogenoemde beoogde projekte te onderneem:

### PROJEKTESKRYWING

Mainstream beoog die ontwikkeling van vier (4) windplase naby Loeriesfontein in die Noord-Kaapprovinsie. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, Xhal Boom Windplaas, Hartebeest Leegte Windplaas en Ithemba Windplaas. Daarbenewens beoog Mainstream die oprigting van vier (4) 132 kV kraglyne, vier (4) 33 kV/132 kV interne substasies en 'n 132 kV Skakelsubstasie (hierna die "roosterkonneksies" genoem) om die beoogde windplase by die Helios Substasie met die nasionale kragnet te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragproducente in Suid-Afrika te voldoen, sal elke windplaas 'n aparte Omgewingsmagtiging (OM) benodig. Daarbenewens sal elke roosterkonneksie ook 'n aparte OM benodig. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elke windplase en die gepaardgaande roosterkonneksie apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) van die beoogde projekte onderneem. Die potensiële omgewingsimpak wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impak-evaluering geëvalueer word.

### PROJEKLISSING

Die projekgebied vir die beoogde windplase en gepaardgaande roosterkonneksies sal sowat 62 km noord van Loeriesfontein, in die Xhal-ma en Hantam Plaaslike Munisipaliteite in die Noord-Kaapprovinsie geleë wees.

### BESKIKBAARHEID VAN DIE KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE

Die Konsep Bestekopnameverslae (KBV's) vir die beoogde windplase sal vanaf **Woensdag, 21 Junie 2017 tot Vrydag, 21 Julie 2017** (teen sluitingstyd) beskikbaar wees vir openbare kommentaar en insae. Indien u 'n elektroniese kopie van die KBV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Gedrukte kopieë van die KBV's kan by enige van die volgende openbare plekke nagegaan word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Loeriesfontein Biblioteek	Hoofstraat, Loeriesfontein	Maandae – Vrydae 14:00 – 17:00	027 662 8607

Die verslae is ook beskikbaar op SIVEST se webwerf: <http://www.sivest.co.za/>, klik op "Downloads" en soek dan vir die vouer "13622 Mainstream Wind Farms".

**Ten einde as 'n Belangstellende en/of Geaffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom**, verstrek asseblief u naam, kontakbesonderhede en die belang wat u by die aansoek het binne 30 dae vanaf die datum van hierdie kennisgewing. Rig asseblief **skriftelike** navrae aan die Omgewingskonsultante hieronder:

### Hlengiwe Ntull or Stephan Jacobs

SIVEST Environmental Posbus 2921 RIVONIA 2128	Telefoon: 011 798 0600 Faks: 011 803 7272 E-pos: hlengiwen@sivest.co.za of stephanj@sivest.co.za Webwerf: www.sivest.co.za
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## HANTAM MUNISIPALITEIT VAKATURES ALGEMENE ARBEIDERS

### CALVINIA X 3

(VERWYSINGSNOMMER - 13/2017)

### BRANDVLEI X 3

(VERWYSINGSNOMMER - 14/2017)

### LOERIESFONTEIN X 2

(VERWYSINGSNOMMER - 15/2017)

### NIEUWOUDTVILLE X 3

(VERWYSINGSNOMMER - 16/2017)

Hantam Munisipaliteit, met sy setel op Calvinia, nooi gekwalifiseerde kandidate uit om aansoek te doen vir poste van Algemene Arbeider. Voorgeskrewe aansoek vorms is beskikbaar by die kantore en op die webtuiste van Hantam Munisipaliteit.

### VEREISTES:

Om te voldoen aan die vereistes van die pos, moet u oor die volgende beskik:

- > Minimum Graad 8
- > Tegnieese agtergrond
- > Kennis van basiese arbeidswerk en algemene onderhoudswerke.
- > Goeie gesondheid.
- > Vermoë om in uiterste weersomstandighede te kan werk.

### VERANTWOORDELIKHEDE:

- > Doen onderhoudsarbeid bv. Onderhoud van paaie, Geboue, Persele van die Munisipaliteit.
- > Vullisverwydering
- > Sanitasie
- > Elektriesiteit
- > Waterwerke

**STANDPLAAS:** Bogenoemde dorpe.

**SALARIS:** Op die 1ste kerf van Posvlak T03 (R6 617.00 per maand).

**SLUITINGSDATUM:** 30 Junie 2017

Gesertifiseerde afskrifte van Identiteitsdokument, Kwalifikasies, Getuigskrifte nie ouer as 1 jaar nie asook 'n volledige CV moet u aansoekvorm vergesel. Indien u nie binne 3 weke na sluitingsdatum terugvoering van die Munisipaliteit kry nie, kan u, u aansoek as onsuksesvol aanvaar.

Neem kennis: Slegs kandidate op die kortlys sal gekontak word.

Navrae kan gerig word aan die Waarnemende Munisipale Bestuurder by die onderstaande adres:

**Mnr. Riaan van Wyk** Hantam Munisipaliteit  
Tel: 027 341 8500 Hoopstraat 20  
Faks: 027 341 8501 Privaat-sak X14  
Epos: [municipalmanager@hantam.gov.za](mailto:municipalmanager@hantam.gov.za) Calvinia 8190

Hantam Munisipaliteit behou die reg voor om nie 'n aanstelling te maak nie.

### HANTAM MUNICIPALITY TOWN PLANNING SCHEME: PROPOSED SPECIAL CONSENT USE: ERF 2096 CALVINIA

Notice is given in terms of the Spatial Planning Land Use Management Act, Act 16 of 2013, that it is the intention of the Hantam Municipality to consider the under mentioned actions on immovable property:

1. Erf 2096, 7th STREET 280 CALVINIA
- 1.1 Proposed consent use
2. Description of property Erf 2096 Calvinia
3. Site 17th Street 280 Calvinia
4. Applicant Magdalena Minnies
5. Registered Owner Magdalena Minnies (Title Deed Nr. T54660/1996)
6. Present Utilisation Residential 1
7. Purpose for application Special Consent: Residential 1 (Proposed Mobile)

Full particulars are obtainable from the office of the Department Technical Services (Calvinia Office), during normal office hours (07:30 to 13:00 and 14:00 to 16:15) and objections against the application, if any, must be lodged in writing with the Head Town Planning and Building Control on or before **Friday, 7 July 2017**. Any person with objections against the application, who is unable to write, can during normal office hours on or before **Friday, 7 July 2017**, report to Mrs. R. Lock (Calvinia Office) who will put such a person's objections in writing.

**J.R. van Wyk**  
Acting Municipal Manager  
admin2@hantam.gov.za  
Tel. No. 027 341 8500  
Fax No. 027 341 8501

Municipal Offices  
Private Bag X14  
CALVINIA 8190

### HANTAM MUNICIPALITY TOWN PLANNING SCHEME: PROPOSED SPECIAL CONSENT USE: ERF 2096 CALVINIA

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**J.R. van Wyk**  
Acting Municipal Manager  
admin2@hantam.gov.za  
Tel. No. 027 341 8500  
Fax No. 027 341 8501

Municipal Offices  
Private Bag X14  
CALVINIA 8190

### ADMINISTREER 240 STUDIEFONDSE

# Helpende Hand se R40 miljoen

**CENTURION – Die Studiefondssentrum, 'n inisiatief van Solidariteit Helpende Hand bied al sedert 2003 rentevrye studieleenings aan jong Suid-Afrikaners.**

Om jouself in vandag se lewe met 'n opleiding te bekwaam is werklik 'n uitdaging. Studieleenings by banke dra onbekostigbare hoë rentes en beurse is eenvoudig onbekoombaar. Vir weeskinders sonder ondersteuningsnetwerke en vele ander behoeftige jong mense is die Studiefondssentrum die enigste hoop tot verdere opleiding.

Danie Brink, uitvoerende hoof van Solidariteit Helpende Hand, sê dat die Studiefondssentrum aan behoeftige studente wat 'n finansiële tekort het, die nodige hulp bied om seker te maak dat studente kan gaan studeer wat hulle graag wil studeer sonder dat finansies in die pad van hulle drome staan. Solidariteit Helpende Hand se studiefonds administreer tans 240 onafhanklike studiefondse ter waarde van R40 miljoen waarmee daar vanjaar 'n rekordgetal van meer as 1 500 studente met rentevrye studieleenings gehelp is.

Volgens Flip Buys, voorsitter van die Solidariteit Beweging, het Helpende Hand die afgelope vyf jaar reeds meer as 5 000 studente met hul studies bygestaan. "Die Studiefondssentrum is baie trots op die rentevrye lenings se terugbetalingskoers van 98% en glo dit

sê baie van die gehalte student wat deur die Sentrum bygestaan word. Studente wat aansoek doen vir hulp word streng volgens meriete en behoefte gekeur, en die slaagsyfer onder leninghouders word op sowat 90% beraam – baie hoër as die nasionale gemiddeld," het Buys gesê.

U kan 'n reuse verskil maak in die lewe van jong mense deur hulle te bemagtig deur slegs 'n skenking te gee of selfs 'n studiefonds te stig. Daar is vele moontlikhede in Suid-Afrika – 'n toekoms vir almal – maar opleiding bly 'n sleutel tot sukses.

Sedert die stigting van die Studiefondssentrum het dit byna 100% van jaar tot jaar gegroei. Die Studiefondssentrum hoop om teen 2020, R100 miljoen te bewillig om Afrikaanse studente se toegang tot hoër onderwys te bevorder. 'n Klomp aan die regte deur – die Studiefondssentrum se deur, kan dalk net iemand se armoede breek of voorkom.

Só bou Solidariteit voort aan ons monument vir Afrikaans se toekoms. Sluit by Solidariteit aan en SMS die woord BOUSAAM na 34802 (R1/sms) of laat weet ons waar jy sal wil bou by <https://solidariteit.co.za/bousaam/#meningspeiling>.

### NOORDWESTER UITGEWERS

Drukkers van Naam op Calvinia  
TEL. (027) 3411026  
FAKS (027) 3411686

## NOORDWESTER UITGEWERS

*Drukkers van Naam op Calvinia*

## SKRYFBEHOEFTE HANDELAARS

FOON 027 341 1026

FAKS 027 341 1686

E-pos:

noordwester@hantam.co.za

SIVEST  
Environmental Division



Established 1952

### ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- ★ Graskoppies Wind Farm – (DEA Ref No: To be announced)
- ★ Xhal Boom Wind Farm – (DEA Ref No: To be announced)
- ★ Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)
- ★ Ithemba Wind Farm – (DEA Ref No: To be announced)
- ★ Graskoppies Grid Connection – (DEA Ref No: To be announced)
- ★ Xhal Boom Grid Connection – (DEA Ref No: To be announced)
- ★ Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)
- ★ Ithemba Grid Connection – (DEA Ref No: To be announced)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 7 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") has appointed SIVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and Public Participation Process for the above-mentioned proposed projects.

#### PROJECT DESCRIPTION

Mainstream are proposing to develop four (4) wind farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, Xhal Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct (4) 132kV power lines, four (4) 33kV/132kV on-site substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect the proposed wind farms to the national grid at Helios Substation.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA. As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

#### PROJECT LOCATION

The project area for the proposed wind farms and associated grid connections will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province.

#### AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

The Draft Scoping Reports (DSRs) for the proposed wind farms will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays-Fridays 14:00 – 17:00	027 662 8607

The reports are also available on SIVEST's website: <http://www.sivest.co.za/>, click on "Downloads" then browse to the folder "13622 Mainstream Wind Farms".

To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information please submit your name, contact details and the interest which you have in the application within 30 days from the date of this notice. Please direct enquiries, in writing, to the Environmental Consultants below:

#### Hlengiwe Ntull or Stephan Jacobs

SIVEST Environmental  
P O Box 2921 RIVONIA 2128  
Tel: 011 798 0600  
Fax: 011 803 7272  
E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) or [stephan@sivest.co.za](mailto:stephan@sivest.co.za)  
Website: [www.sivest.co.za](http://www.sivest.co.za)

## HANTAM MUNISIPALITEIT VAKATURES ALGEMENE ARBEIDER ROMAN X 1

(VERWYSINGSNOMMER - 17/2017)

Hantam Munisipaliteit, met sy setel op Calvinia, nooi gekwalifiseerde kandidate uit om aansoek te doen vir die pos van Algemene Arbeider te Roman. Voorgeskrewe aansoek vorms is beskikbaar by die kantore en op die web-tuiste van Hantam Munisipaliteit.

#### VEREISTES:

Om te voldoen aan die vereistes van die pos, moet u oor die volgende beskik:

- > Minimum Graad 10
- > Kennis van basiese arbeidswerk en algemene onderhouidswerke.
- > Tegniese agtergrond
- > Goeie gesondheid.
- > Vermoë om in uiterste weersomstandighede te kan werk.

#### VERANTWOORDELIKHEDE:

- > Daaglikse water pomp na Brandvlei.
- > Instandhouding van dieselmotore en pompe.
- > Masjienkamers en masjiene netjies hou.
- > Water, watervlakke en diesilverbruik monitor en le-sings hou.

#### STANDPLAAS: Roman

**SALARIS:** Op die 1ste kerf van Posvlak T03 (R6 617.00 per maand).

**SLUITINGSDATUM:** 30 Junie 2017

Gesertifiseerde afskrifte van Identiteitsdokument, Kwalifikasies, Getuigskrifte nie ouer as 1 jaar nie asook 'n volledige CV moet u aansoekvorm vergesel. Indien u nie binne 3 weke na sluitingsdatum terugvoering van die Munisipaliteit kry nie, kan u, u aansoek as onsuksesvol aanvaar.

Neem kennis: Slegs kandidate op die kortlys sal gekontak word.

Navrae kan gerig word aan die Waarnemende Munisipale Bestuurder by die onderstaande adres:

**Mnr. Riaan van Wyk** Hantam Munisipaliteit  
Tel: 027 341 8500 Hoopstraat 20  
Faks: 027 341 8501 Privaatsak X14  
Epos: [municipalmanager@hantam.gov.za](mailto:municipalmanager@hantam.gov.za) Calvinia 8190

Hantam Munisipaliteit behou die reg voor om nie 'n aanstelling te maak nie.



**Appendix 7D**  
**Correspondence**







**Appendix 7D1  
Correspondence  
To Authorities**





**Appendix 7D2**  
**Correspondence**  
**From Authorities**





**Appendix 7D3**  
**Correspondence**  
**To IAPs**





**Appendix 7D4**  
**Correspondence**  
**From IAPs**







**Appendix 7E**  
**Comments and Response Report**



**BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)**

**COMMENTS AND RESPONSES REPORT – DRAFT BASIC ASSESSMENT REPORT**

**PROPOSED CONSTRUCTION OF THE !XHA BOOM ON-SITE EKSOM SUBSTATION, LINKING  
SUBSTATION AND ASSOCIATED 132KV POWER LINE NEAR LOERIESFONTEIN, NORTHERN  
CAPE PROVINCE**

**SUMMARY OF ENVIRONMENTAL ISSUES/CONCERNS AND SUGGESTIONS RAISED BY INTERESTED  
AND/OR AFFECTED PARTIES (I&APS)**

**October 2016 – December 2017**

Stakeholders who contributed issues ranging across all sectors of society are recorded in this Comments and Responses Report (C&RR). Full record of every issue raised is available from the public participation office and is also included in **Appendix 7E** of the Draft Basic Assessment Report (DBAR). Similar issues raised have been grouped together. The name, affiliation and date of the commentator are also indicated. Technical comments made by the project team are not included in the C&RR.

**INDEX TO ISSUES IN THIS TABLE**

<b>1</b>	<b>STAKEHOLDER / I&amp;AP RELATED COMMENTS/ ISSUES .....</b>	<b>3</b>
<b>2</b>	<b>AUTHORITY RELATED COMMENTS/ ISSUES .....</b>	<b>5</b>

**ABBREVIATIONS**

<b>BA</b>	Basic Assessment
<b>DBAR</b>	Draft Basic Assessment Report
<b>EIA</b>	Environmental Impact Assessment
<b>FBAR</b>	Final Basic Assessment Report
<b>I&amp;AP</b>	Interested and/or Affected Party
<b>MW</b>	Megawatt
<b>NC DRPW</b>	Northern Cape Department of Roads and Public Works
<b>SAAO</b>	South African Astronomical Observatory
<b>VIA</b>	Visual Impact Assessment
<b>WEF</b>	Wind Energy Facility

Issue/Comment	Raised By	Response
<b>1 STAKEHOLDER / I&amp;AP RELATED COMMENTS/ ISSUES</b>		
<b>1.1 Project Related Comments/Issues</b>		
<p>It was recommended that authorised power line routes for other projects be investigated in the EIA / BA.</p>	<p>Siphelele Dunga BioTherm Energy Registration and Comment Form: 09 February 2017</p>	<p>Mr. Dunga's recommendation was duly noted. Authorised power line routes for other projects will be investigated as part of the BA process for the proposed on-site Eskom Substation, Linking Substation and Power Line Routes. <b>Andrea Gibb, SiVEST</b></p>
<p>Recommended that a rehabilitation or relocation plan (depending on feasibility) be investigated in the EIA / BA. The removal of plant species from the proposed areas should take place prior to construction commencing. These plant species should be grown ex-situ (via a nursery which will create employment opportunities) and then relocated after construction has been completed.</p>	<p>Jeannette-Anne Steenkamp Registered I&amp;AP: Municipal Council Registration and Comment Form: 25 March 2017</p>	<p>Mrs. Steenkamp's comments were duly noted and will be forwarded to Mainstream as well as the Biodiversity Specialist for consideration. The Biodiversity Specialist Assessment has addressed these issues and has made similar recommendations. These will however be further explored during the BA process and included in the EMPr where necessary. The Biodiversity Specialist Assessment is included in <b>Appendix 6A</b> of the DBAR. <b>Andrea Gibb, SiVEST</b></p>
<p>Recommended that preference be given to conservation organisations to remove seeds, cuttings and plants prior to construction commencing for conservation purposes.</p>	<p>Jeannette-Anne Steenkamp Registered I&amp;AP: Municipal Council Registration and Comment Form: 25 March 2017</p>	<p>Mrs. Steenkamp's comment was duly noted and will be forwarded to Mainstream and the Biodiversity Specialist for consideration. This will be further explored during the BA process and included in the EMPr where necessary. <b>Andrea Gibb, SiVEST</b></p>
<b>1.2 Communication Related Comments/Issues</b>		
<p>Requested SiVEST to register her as an Interest &amp; Affected Party (I&amp;AP) for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections (eight applications in total)</p>	<p>Stephnie Kot Project Manager: Renewable Energy Project Development Email: 17 November 2016</p>	<p>Stephnie Kot was subsequently registered as an I&amp;AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (i.e. Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections. Stephanie Knot will subsequently receive all project related information.</p>

Issue/Comment	Raised By	Response
<b>1 STAKEHOLDER / I&amp;AP RELATED COMMENTS/ ISSUES</b>		
		<b>Andrea Gibb, SiVEST</b>
Requested to be registered as an I&AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections.	Sipehelele Dunga BioTherm Energy Registration and Comment Form: 09 February 2017	Mr. Dunga was subsequently registered as an I&AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (i.e. Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections. Mr. Dunga will subsequently receive all project related information. <b>Andrea Gibb, SiVEST</b>
Requested that Mr. Eugene Marinus be registered as an I&AP for the proposed development.	Jeannette-Anne Steenkamp Registered I&AP: Municipal Council Registration and Comment Form: 25 March 2017	Mr. Marinus was registered as an I&AP for the proposed development accordingly. Mr. Marinus will subsequently receive all project related information. <b>Andrea Gibb, SiVEST</b>

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<b>2.1 Project Related Comments/Issues</b>		
<p>The proposed four Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province, are considerably far from Sutherland and outside of the declared Sutherland Central Astronomy Advantage Area. We don't think that the facilities will have any measurable impact on optical astronomy at the Southern African Large Telescope (SALT) at the South African Astronomical Observatory (SAAO) observing station near Sutherland. Our main concern as optical astronomy research facility are related to impacts from light and dust that may be generated during development and operation of wind farms. Light and dust pollution negatively affect the quality of optical observations.</p>	<p>Dr Ramotholo Sefako Head of Telescope Operations (TOPS) SAAO Email: 04 December 2017</p>	<p>The comments / concerns from SAAO are noted and will be taken into consideration. In addition, mitigation measures which are designed to reduce the impacts from light and dust will be included in the EMPr. <b>Hlengiwe Ntuli, SiVEST</b></p>
<p>A letter from NC DRPW was provided in response to proposed development of four wind energy facilities.</p> <p>The Department of Roads and Public Works (DRPW) does not have objections against the application, subject to the following conditions that must be complied with at all times in case any work undertaken with the statutory road reserve or within a distance of 95 meters from the centerline of any building restriction road (advertising on Roads and Ribbon development Act, no.21 of 1940) and within the statutory road reserve of within 5 meters from the statutory boundary of any public road (Roads Ordinance, 19 of 1976).</p> <p>1. The applicant must submit a detailed layout design for the approval prior to any works (the proposed 132kV grid line). The designs must include but not limited to; The offset distance</p>	<p>Jaco Roelofse Director: Roads Planning and Design NC DR &amp; PW Email: 06 December 2017</p>	<p>The conditions stipulated in the NC DRPW letters are noted and will be taken into consideration and adhered to at all times in case any work is undertaken with the statutory road reserve or within a distance of 95 meters from the centerline of any building restriction road and within the statutory road reserve of within 5 meters from the statutory boundary of any public road. In addition, specific conditions stipulated in the letter which are to be considered in the EMPr will be included accordingly. <b>Hlengiwe Ntuli, SiVEST</b></p>

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<p>referencing from the centerline of the road, height clearance and etc.</p> <ol style="list-style-type: none"> <li>2. The roads that will be affected by your proposal are DR2972, DR2977 and OG240.</li> <li>3. The applicant must investigate all the existing services (sewer lines, pipelines, underground cables and overhead cables) passing through or alongside that specific (proposed works) area.</li> <li>4. Poles or towers carrying power lines in excess of 22kV must be erected outside the statutory road width and not closer than 50 meters to the centerline of the road concerned.</li> <li>5. In cases where an overhead power line crossed a public road:               <ol style="list-style-type: none"> <li>a) The poles and/or towers must comply with the distances and road clearances as per Eskom Standards and;</li> <li>b) Provision must be made for a vertical clearance as prescribed by the Factories, Machinery and Building Act, 1941 but in any case not less than 8 meters measured from the highest point of the road to the lowest wire or safety net.</li> </ol> </li> <li>6. All excavations within the statutory road width will be reinstated by the applicant to the satisfaction of the District Roads Engineer concerned.</li> <li>7. If any fence along the road boundaries is removed by the applicant or is damaged through his activities, it must be restored to the original standard.</li> </ol> <p>This response letter does not exempt the applicant from complying with any other law that may be applicable to the proposed work and related activities.</p>		



Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<p>It was confirmed that no land claims appear on the database of the Regional Land Claims Commission: Northern Cape in respect of the property. This includes the database for claims lodged by 31 December 1998; and those lodged between 1 July 2014 and 27 July 2016 in terms of the Restitution of Land Rights Amendment Act, 2014.</p> <p>Whilst the Commission takes reasonable care to ensure the accuracy of information it provides, there are various factors that are beyond the Commission's control, particularly relating to claims that have been lodged but not yet been gazette such as:</p> <ul style="list-style-type: none"> <li>▪ Some Claimants referred to properties they claim dispossession of rights in land against historical property descriptions which may not match the current property description; and</li> <li>▪ Some Claimants provided the geographic descriptions of the land they claim without mentioning particular actual property description they claim dispossession of rights in land against.</li> </ul> <p>The Commission therefore does not accept any liability whatsoever if through the process of further investigation of claims it is found that there is in fact a land claim in respect of the property in question.</p> <p>If the applicant or EAP are aware of any change in the description of the property in question after 19 June 1913, such description should be supplied to the Commission so as to enable them to do a further search.</p>	<p>Refilwe Sekwati Communication Division – Regional Land Claims Commission: Northern Cape Email: 12 January 2017</p>	<p>The Northern Cape Regional Land Claims Commission's comments were duly noted and will be forwarded to Mainstream. In addition, should the applicant or EAP be aware of any change in the description of the property in question after 19 June 1913, such description will be supplied to the Commission so as to enable them to do a further search.</p> <p><b>Andrea Gibb, SiVEST</b></p>
<b>2.2 Surrounding Infrastructure Related Comments/Issues</b>		

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<p>Eskom requirements for works at or near Eskom infrastructure for consideration during the BA process, as well as Renewable Energy Generation Plant Setbacks to Eskom Infrastructure, were sent to SIVEST.</p>	<p>John Geeringh Eskom GC: Land Development Email: 02 May 2017</p>	<p>These documents will be forwarded to Mainstream and will be strictly adhered to during the pre-construction, construction, operation and decommissioning phases of the project. In addition, these documents will be attached to the Draft and Final EMPr which will be included in the DBAR and FBAR. <b>Andrea Gibb, SIVEST</b></p>
<ul style="list-style-type: none"> <li>▪ Sentech analysed the information provided by Mainstream in accordance the provisions of Section 29(1) (c) of the Electronic Communications Act no. 36 of 2005, and specifically the location of the site;</li> <li>▪ It was confirmed that there would be limited degradation of Sentech transmitted Terrestrial UHF/CHF Television (TV), and/or FM radio services in the planned development area;</li> <li>▪ Sentech therefore grant Mainstream approval to proceed with the construction of its energy project at the site subject to the following terms and conditions;               <ul style="list-style-type: none"> <li>○ Due to the fact that the findings made by Sentech are based on simulations and calculated on a theoretical model, using available data and assumptions where no data was provided, such findings may change at any time should any further information be made available to or come to Sentech’s attention;</li> <li>○ At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, Sentech will give the applicant 7 (seven) days’ written notice to remove the cause of the interference;</li> </ul> </li> </ul>	<p>Serame Motlhake Manager - Broadcast Planning: Sentech Email: 08 March 2017</p>	<p>Sentech’s comments were duly noted. The comments have been forwarded to Mainstream, who will adhere to all terms and conditions provided by Sentech during the pre-construction, construction, operation and decommissioning phases of the project. <b>Andrea Gibb, SIVEST</b></p>

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<ul style="list-style-type: none"> <li>○ Under no circumstances whatsoever will Sentech be liable to the applicant or any third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence of the aforementioned request and the applicant fully indemnify Sentech;</li> <li>○ Sentech prior written consent must first be obtained before any construction activities underneath, along, across or within close proximity to Sentech infrastructure can begin and shall comply with the applicable Sentech guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the applicant shall clearly adhere to, and ensure all installations shall be fully compliant with the Occupational Health and Safety Act No. 85 of 1993;</li> <li>○ This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 of the comment letter, the materials use, as well as the size and positioning of structures declared in the application. If the services of Sentech or its clients is in any way compromised by a deviation or change of this submission, the applicant shall be liable for all costs to re-establish, or relocate the services, and under no circumstances whatsoever will Sentech be liable to the applicant or any other third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence;</li> </ul>		

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<ul style="list-style-type: none"> <li>○ This approval is valid and applicable between Sentech and the applicant only. It does not include any approval for any of the other electronic communication operators which have current co-sharing agreements to utilise Sentech’s radio masts;</li> <li>○ Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to Sentech;</li> <li>○ The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve month period, the application must be re-submitted to Sentech for further evaluation and approval;</li> <li>○ This approval does not imply any rights of access whatsoever to Sentech property or use of Sentech’s access roads for construction or maintenance of the design project. Separate permission must be obtained from Sentech in this regard. Furthermore, Sentech reserves the right to claim damages in terms of Section 29 of the Act, for any loss or damages sustained as a result of damages to any of Sentech’s electronic broadcast and communications infrastructure;</li> <li>○ The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of Sentech’s employees, contractors, representatives and its property including the radio transmitters and links on</li> </ul>		

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<p>or near the site against damages as a result of construction of the applicant's energy project;</p> <ul style="list-style-type: none"> <li>○ The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee, contractor, representative or property of Sentech including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project;</li> <li>○ In no event will Sentech, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any Sentech radio network approved and/or not approved in terms of this letter, even if Sentech has been advised of the possibility of such damages or injury.</li> </ul>		
<p>The following should be noted according to Annexure 1 of the comment letter which was sent by Sentech:</p>	<p>Serame Motlhake Manager - Broadcast Planning: Sentech</p>	<p>Sentech's comments were duly noted. The comments have been forwarded to Mainstream. <b>Andrea Gibb, SIVEST</b></p>

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<ul style="list-style-type: none"> <li>▪ The planned Leeuwberg Suite Wind Turbine Generators (WTG's) are close (between 108km and 117km) to the Garies and Calvinia transmitter respectively. These WTG;s will consist of a total amount of 188 WTG's;</li> <li>▪ WTG interference calculations and predictions which included 188 planned WTG's were completed successfully. The interference calculations and predictions indicated that the WTG'S will have the potential to cause limited interferences on the existing VHF TV broadcast services;</li> <li>▪ The only analogue service that might be affected which is SABC 2 within the Garies (C30) and Calvinia (C21) transmitter stations coverage area. Digital UHF TV service that might be affected is Mux1 within the Garies (C30) and Calvinia (C21) transmitter stations coverage area;</li> <li>▪ Conclusion on the results and findings of the planned 188 total amount of WTG's in Leeuwebeg Suite can be summarised as follows: <ul style="list-style-type: none"> <li>○ Potential interferences on analogue and Digital VHF/UHF TV coverage will not affect the quality of viewer services in the surrounding areas;</li> <li>○ Potential interference on digital UHF TV coverage will not affect the quality of viewer servives in the services I the surrounding areas;</li> <li>○ None of the existing analogue or DTT RBR broadcast feeds in the above mentioned areas will be affected;</li> <li>○ No interference on FM services will be experienced; and</li> </ul> </li> </ul>	<p>Email: 08 March 2017</p>	

Issue/Comment	Raised By	Response
<b>2 AUTHORITY RELATED COMMENTS/ ISSUES</b>		
<ul style="list-style-type: none"> <li>○ None of the existing FM RBR feeds broadcast feeds in the area will be affected.</li> </ul>		
<b>2.3 Communication Related Comments/Issues</b>		
<p>SiVEST were informed that Mr. Roberts will no longer be available to assist with queries from the 31<sup>st</sup> of August 2017 as his contract reaches maturity on the 31st of August 2017. In order to ensure continuity of service, SiVEST were informed to address all correspondence intended for Mr. Harry Roberts to <a href="mailto:Obstacles@caa.co.za">Obstacles@caa.co.za</a>, from where it will be accessed and acted upon accordingly. Urgent enquiries should be directed to Mr. Werner Kleynhans (011 545 1468).</p>	<p>Harry Roberts South African Civil Aviation Authority (SACAA) Email: 25 July 2017</p>	<p>Mr. Roberts' comments were duly noted. SiVEST will address all correspondence intended for Mr. Harry Roberts to <a href="mailto:Obstacles@caa.co.za">Obstacles@caa.co.za</a>. Urgent enquiries will be directed to Mr. Werner Kleynhans accordingly. <b>Andrea Gibb, SiVEST</b></p>
<p>SANBI requested to be de-registered as an I&amp;AP for the Environmental Impact Assessment (EIA) processes being undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections.</p>	<p>Kensani Mangena Project Officer: Municipal Support SANBI Email: 06 September 2017</p>	<p>SiVEST thanked SANBI for their response / comment and informed them that this was received and noted. SiVEST subsequently removed SANBI as an I&amp;AP for these projects as requested. <b>Stephan Jacobs, SiVEST</b></p>







**Appendix 7F**  
**I&AP Database**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

Environmental Impact Assessment I&AP Database

November 2017

<b>First Name</b>	<b>Last Name</b>	<b>Company</b>
Nicole	Abrahams	SANRAL
Koos	Alexander	Hantam Local Municipality
Tania	Anderson	WESSA: Northern Cape
Lerato	April	Department of Energy
Paul	Avenant	Department of Agriculture, Forestry & Fisheries
Quentin	Aylward	Cell C
M	Bartlett	NC Department of Agriculture, Land Reform and Rural Development
Amanda	Bester	Telkom (SA) Ltd
Irene	Bezuidenhout	BioTherm Energy
Corne	Botha	MTN Telecoms
Lambert	Brand	Farm: Remainder Georges Vley 217
Labert	Brand	Plaas Georqs vley 217, Restant
Madeleine	Brandt	Namakwa District Municipality
Hein	Burden	Portion 2 of the Farm Georqs Vley No. 127
Marie	Burden	Portion 2 of the Farm Georqs Vley No. 127
Erica	Burg	Telkom SOC
Thoko	Buthelezi	Dept of Agriculture, Forestry & Fisheries
Hettie	Buys	Department of Agriculture, Forestry and Fisheries
Aubrey	Classen	Hantam LM
Shaun	Cloete	Department of Water and Sanitation
Chris	Coetzee	South African Astronomical Observatory
Andre	de Villiers	Andreas Ricus Trust
Henry	de Wee	Hantam Local Municipality
Jaco	Don	Plaas: Georqs Vley No. 127 (Voorman)
Brian	Dreyer	Neotel
Charl	Du Plessis	Hantam Local Municipality
Joshua	Engelbrecht	Cell C
Bennie	Engelbrecht	Hantam Local Municipality
Margaret	Esau	Hantam Local Municipality
Patrick	Farmer	Hantam Local Municipality
Belinda	Farmer	Hantam Local Municipality
Sam	Fiff	Transnet Freight Rail (Jhb)
Brian	Fisher	Dept of Environment and Nature Conservation
Colin	Fordham	Cape Nature Conservation
Chris	Fortuin	Namakwa District Municipality
Nico	Fourie	Department of Roads & Public Works: Northern Cape Province
John	Geeringh	Eskom: Transmission
Andrea	Gibb	SIVEST
Bradley	Gibbons	EWT: African Crane Conservation Programme
Marianne	Golding	Endangered Wildlife Trust
Geraldene	Gous	Hantam Local Municipality
Morgan	Griffiths	WESSA: National
W	Grobler	Department of Water & Sanitation
Michelle	Hartslief	South African Weather Service
Ambrose	Hector	Eskom
Wimpie	Henning	Eskom Holdings SOC Limited
Natasha	Higgitt	South African Heritage Resources Agency
Obakeng	Isaacs	KHAI-MA LOCAL MUNICIPALITY
Charl	Jooste	Solar Capital
P	Josop	Khais-Ma Local Municipality
Garth	Julius	SANRAL
Mere	Kgampe	Department of Science and Technology
Johan	Koegelenberg	SENTECH

Stephnie	Kot	Infrastructure Asset Management (IAM)
Theunis	Kotze	Portion 2 of Karree Doorn No 214
Hercule	Le Roux	MTN Telecoms
Tsholo	Leburu	Northern Cape Provincial Department
Lourens	Leeuwner	EWT
Seoka	Lekota	Department of Environmental Affairs
Eddie	Lennox	Eskom Transmission Limited
Patrick	Lenyibi	DEPARTMENT OF SPORT, ARTS & CULTURE
Aaron	Lephalo	Solar Power Plant Construction
Deidre	Lesch	WWF
Bertram	Leukes	Hantam Local Municipality
Braam	Lintvelt	Plaas: Aan de Karee Doornpan
Riana	Lock	Hantam Plaaslike Munisipaliteit
Frans	Lombard	Plaas: Karree Doorn 214, Ptn 1
Gys	Lombard	Plaas: Karree Doorn 214, Ptn 1
Jannie	Loubser	Namakwa District Municipality
Alwyn	Louw	
Albie	Louw	Plaas: Hartebeest Leegte 216, Ged 1
Hermanus	Louw	Portion 1 of the Farm Hartebeest Leegte No. 216
Nico	Louw	Portion 2 of the Farm Gras Koppies No. 176
Dave	Lucas	Eskom: Corporate Sustainability
Kate	MacEwan	South African Bat Assessment Association
Moses	Mahunonyane	Department of Water & Sanitation
Ester	Makungo	Department of Water & Sanitation
Jacoline	Mans	Department of Agriculture, Forestry & Fisheries
Mashudu	Marubini	DAFF Provinical Department
Simphiwe	Masilela	Air Traffic Navigation Services
Pheladi	Masipa	Department of Energy
Rochelle	McPherson	Eskom Wayleave
Thabani	Mhlongo	South African Weather Service
Melanie	Miles	Leads 2 Business
Elias	Mohapi	Solar Power Plant Construction
Lerato	Mokgwatheng	Eskom Holdings SOC Limited
Ishmael	Mokhati	Solar Power Plant Construction
Tshegofatso	Monama	Square Kilometre Array
Johanna	Morobane	Air Traffic Navigation Services
Lungile	Motsisi	Eskom Transmission Limited
Thulani	Mthombeni	NC Dept of Environment and Nature Conservation
Vincent	Muila	Department of Mineral Resources (DMR)
George	Muller	Hantam Local Municipality
Serah Masala	Muobeleni	DAFF
Henning	Myburg	Agri SA: Northern Cape
Ono	Naude	Vodacom
Onwabile	Ndzumo	NC Dept of Environment and Nature Conservation
Koosie	Nel	Potrion 1 of Graskoppies 176
Hermanus	Nel	Remainder of the Farm Hartebeest Leegte No. 216
Joseph	Nhlapo	SENTECH
Jasper	Nieuwoudt	Department of Mineral Resources
David	Ockhuys	
Gizella	Opperman	Hantam Local Municipality
Richwell	Phale	Solar Power Plant Construction
Mmatlala	Rabothata	Department of Environmental Affairs
Samantha	Ralston-Paton	Bird Life South Africa
Ntsundeni	Ravhogoni	Department of Mineral Resources (DMR)
Nicole	Reddy	WWF-SA
Harry	Roberts	SA CAA
Lucia	Rodrigues	Western Cape Black Eagle Project
Jaco	Roelofse	NC Department of Roads & Public Works
Ramatholo	Sefako	South African Astronomical Observatory

Rasibe	Sekepane	Department of Mineral Resources (DMR)
Rosey	Sekese	Dept of Telecommunications and Postal Service
Kwena Khutjo	Sekwaila	Department of Water and Sanitation
Henri	Smit	Plaas: Zuur Fontein 224, Ged 1
Immanuel	Smith	Namakwa District Municipality
Candice	Spammer	Telkom Wayleave
Hennie	Spannenberg	Farms: Remainder Nabasiep 219 & Ptn 1 Kapteins Kraal 222
Gert	Steenkamp	DAFF: Regional Northern Cape
Jeany	Steenkamp	Hantam Local Municipality
Hermina	Steenkamp	Hantam Plaaslike Munisipaliteit
Gert	Steenkamp	NC Department of Agriculture, Land Reform and Rural Development
Frik	Sterkse	Hantam Plaaslike Munisipaliteit
Candice	Stevens	Birdlife South Africa
Lizell	Stroh	SA Civil Aviation Authority
Shaun	Swanepoel	Eskom Wayleave
Roger	Swartz	Hantam Local Municipality
Adriaan	Tiplady	Square Kilometre Array
Stanley	Tshitwamulomoni	Department of Environmental Affairs
Heleen	van den Heever	Telkom (SA) Ltd
Christo	van der Merwe	Farm: Ptn 2 Zuur Fontein 224
Francois	van der Merwe	Remainder of Sous 226
Gert	van der Walt	Vodacom
Kokkie	van der Westhuizen	Farm: Zuur Fontein 224
Deon	Van der Westhuizen	Plaas: Klein Rooiberg
Herman	van Heerden	Portion 5 of the farm Klein Rooiberg No. 227
Hentie	van Jaarsveld	Agri SA: Loeriesfontein Landbouvereniging
Riaan	Van Wyk	Hantam Local Municipality
NJ	Van Zyl	Agri SA: Loeriesfontein Landbouvereniging
Hannes	Van Zyl	Agri SA: Loeriesfontein Landbouvereniging
Abraham	van Zyl	Farm: Remainder Blaauw Pan 175
Albertus	Van Zyl	PTN 3 Farm GIFKOP116
Paul	Venter	MTN Telecoms
Charles	Versfeld	Farm: Remainder Buchufontein 184
Fred	Versfeld	Remainder Farm Buchu Fontein 184
Noel	Viljoen	Hantam Local Municipality
Ronelle	Visagie	EWT
Jonathan	Visagie	Telkom
Ted	Williams	South African Astronomical Observatory
Justine	Wyngaardt	Eskom
		Sustainable Energy & Climate Change Project
Megan	.	Sustainable Energy Africa
	..	DE BEERS CONSOLIDATED MINES (Pty) Ltd





**Appendix 7G**  
**Minutes of Meetings**  
**(To be included in FEIAR)**







**Appendix 7H**  
**Landowner Notifications and Consent**



## LIST OF LANDOWNERS

FARM DESCRIPTION	LANDOWNER
Portion 1 of the Farm Graskoppies No. 176	Koosie Nel
Portion 2 of the Farm Graskoppies No. 176	Nico Louw
Portion 7 of the Farm Konnes No. 183	Jacobus Nel
The Farm Buchufontein No. 184	Fred Versfeld
Portion 2 of the Farm Aan De Karree Doorn Pan No. 213	Braam Lintvelt
Remainder of the Farm Aan De Karree Doorn Pan No. 213	Gert Lombaard
Portion 1 of the Farm Karree Doorn Pan No. 214	Gert Lombaard
Portion 2 of the Farm Karree Doorn Pan No. 214	Theunis Kotze
Remainder of the Farm Springbok Tand No. 215	Josias van der Westhuizen
Portion 1 of the Farm Hartebeest Leegte No. 216	Herman Nel
Portion 2 of the Farm Georg's Vley No. 217	Hein Burden
Portion 1 of the Farm Sous No. 226	Rona Rupert Trust
Portion 3 of the Farm Sous No. 226	Rona Rupert Trust
Remainder of the Farm Sous No. 226	Rona Rupert Trust
Remainder of the Farm Klein Rooiberg No. 227	Josias van der Westhuizen
The Farm Leeubergrivier No. 1163	AJ van Heerden Familie Trust
The Farm Springbok Pan No. 1164	GA van der Westhuizen Familie Trust





**Appendix 7I**  
**Distribution to Organs of State**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DISTRIBUTION OF THE WIND FARM DRAFT BASIC ASSESSMENT REPORT (DBAR) TO ORGANS OF STATE FOR COMMENT**

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
<b>HANTAM LOCAL MUNICIPALITY</b>					
Mr	Van Wyk	Riaan	Environmental Officer	Private Bag X14 CALVINIA 8190	<a href="mailto:municipalmanager@hantam.gov.za">municipalmanager@hantam.gov.za</a> <a href="mailto:socialdev1@hantam.gov.za">socialdev1@hantam.gov.za</a>
<b>KHAI-MA LOCAL MUNICIPALITY</b>					
Mr	Isaacs	Obakeng	Municipal Manager	PO Box 108 Pofadder 8890	<a href="mailto:munman@khaima.gov.za">munman@khaima.gov.za</a>
Mr	Josop	P	Land Use Officer	PO Box 108 Pofadder 8890	<a href="mailto:commonage@khaima.gov.za">commonage@khaima.gov.za</a>
<b>NAMAKWA DISTRICT MUNICIPALITY</b>					
Mr	Loubser	Jannie	Manager: Planning	Private Bag X20 SPRINGBOK 8240	<a href="mailto:janniel@namakwa-dm.gov.za">janniel@namakwa-dm.gov.za</a>
<b>DEPARTMENT OF ENVIRONMENTAL AFFAIRS BIODIVERSITY</b>					
Mr	Lekota	Seoka		Private Bag X447 Pretoria 0001	<a href="mailto:slekota@environment.gov.za">slekota@environment.gov.za</a>
Mr	Rabothata	Mmatlala		Private Bag X447 Pretoria 0001	<a href="mailto:slekotamrabothata@environment.gov.za">slekotamrabothata@environment.gov.za</a>
<b>AGRI SA-NORTHERN CAPE</b>					
Mr	Myburg	Henning	General Manager	PO Box 1094 KIMBERLEY 8300	<a href="mailto:henning@agrink.co.za">henning@agrink.co.za</a>
<b>DEPARTMENT OF WATER AND SANITATION</b>					
Ms	Makungo	Ester	Environmental Officer	Private Bag X6101 KIMBERLEY 8300	<a href="mailto:makungoe@dws.gov.za">makungoe@dws.gov.za</a>
Mr	Mahunonyane	Moses	Director: Institutional Establishment	Private Bag X6101 KIMBERLEY 8300	<a href="mailto:MahunonyaneM@dws.gov.za">MahunonyaneM@dws.gov.za</a>
<b>NORTHERN CAPE DEPARTMENT OF AGRICULTURE, LAND REFORM &amp; RURAL DEVELOPMENT</b>					
Mr	Steenkamp	Gert		P.O.Box 65 CALVINIA 8190	<a href="mailto:gsteenkamp@ncpg.gov.za">gsteenkamp@ncpg.gov.za</a>
<b>DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES</b>					

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DISTRIBUTION OF THE WIND FARM DRAFT BASIC ASSESSMENT REPORT (DBAR) TO ORGANS OF STATE FOR COMMENT**

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
<b>Provincial Department</b>					
Mrs	Collett	Anneliza		Private Bag X120 PRETORIA 0001	<a href="mailto:ThokoB@nda.agric.za">ThokoB@nda.agric.za</a>
Ms	Buthelezi	Thoko	Directorate Land Use and Soil	Private Bag X120 PRETORIA 0001	<a href="mailto:ThokoB@nda.agric.za">ThokoB@nda.agric.za</a>
<b>DEPARTMENT OF MINERAL RESOURCES (DMR)</b>					
Mr	Muila	Vincent		Private Bag x6093 KIMBERLEY 8300	
Mr	Sekepane	Rasibe		Private Bag x6093 KIMBERLEY 8300	
<b>NORTHERN CAPE DEPT OF ENVIRONMENT AND NATURE CONSERVATION</b>					
Mr	Fisher	Brian	Director Environmental Impact Management	Private Bag X86102 KIMBERLEY 8300	<a href="mailto:bfisher@ncpg.gov.za">bfisher@ncpg.gov.za</a>
<b>NORTHERN CAPE DEPT OF SPORT, ARTS &amp; CULTURE: Heritage Resources Unit</b>					
Mr	Lenyibi	Patrick	Manager: Heritage Resources	Private Bag X5004 KIMBERLEY 8300	<a href="mailto:plenyibi@ncpg.gov.za">plenyibi@ncpg.gov.za</a>
<b>SANRAL - WESTERN REGION</b>					
Ms	Abrahams	Nicole	Environmental Coordinator	Private Bag X19 BELLVILLE 7535	<a href="mailto:abrahamsn@nra.co.za">abrahamsn@nra.co.za</a>
<b>NORTHERN CAPE DEPARTMENT OF ROADS AND PUBLIC WORKS</b>					
Mr	Roelofse	Jaco	Director: Planning & Design	PO Box 3132 Kimberley 8300	<a href="mailto:roelofse.j@vodamail.co.za">roelofse.j@vodamail.co.za</a>
<b>SAHRA: HEAD OFFICE</b>					
Ms	Higgitt	Natasha	Heritage Officer: Northern Cape	PO Box 4637 CAPE TOWN 8000	<a href="mailto:nhiggitt@sahra.org.za">nhiggitt@sahra.org.za</a>
<b>ESKOM</b>					
Mr	Geeringh	John	Chief Planner	PO Box 1091 JOHANNESBURG 2000	<a href="mailto:GeerinJH@eskom.co.za">GeerinJH@eskom.co.za</a>
<b>SQUARE KILOMETRE ARRAY</b>					



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DISTRIBUTION OF THE WIND FARM DRAFT BASIC ASSESSMENT REPORT (DBAR) TO ORGANS OF STATE FOR COMMENT**

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
Dr	Tiplady	Adriaan	Manager: Site Categorisation	PO Box 522 SAXONWOLD 2132	<a href="mailto:atiplady@ska.ac.za">atiplady@ska.ac.za</a>
<b>SA CIVIL AVIATION AUTHORITY (SA CAA)</b>					
Ms	Stroh	Lizell	Obstacle Specialist	Private Bag X73 HALFWAY HOUSE 1685	<a href="mailto:strohl@caa.co.za">strohl@caa.co.za</a>
<b>AIR TRAFFIC AND NAVIGATION SERVICES (ATNS)</b>					
Ms	Morobane	Johanna	Manager: Corporate Sustainability and Environment	Private Bag X15 KEMPTON PARK 1620	<a href="mailto:JohannaM@atns.co.za">JohannaM@atns.co.za</a>
Ms	Masilela	Simphiwe	Obstacle Evaluator	Private Bag X15 KEMPTON PARK 1620	<a href="mailto:SimphiweM@atns.co.za">SimphiweM@atns.co.za</a>
<b>TRANSNET FREIGHT RAIL</b>					
Mr	Fiff	Sam	Environmental Manager: Freight Rail	PO Box 255 BLOEMFONTEIN 9300	<a href="mailto:sam.fiff@transnet.net">sam.fiff@transnet.net</a>
<b>SENTECH</b>					
Mr	Koegelenberg	Johan	Renewable Projects	Private Bag X06 Honeydew 2040	<a href="mailto:koegelenbergj@sentech.co.za">koegelenbergj@sentech.co.za</a>
<b>TELKOM</b>					
Ms	Spammer	Candice	Western Cape Region	Private Bag X20700 BLOEMFONTEIN 9300	<a href="mailto:SpammerC1@telkom.co.za">SpammerC1@telkom.co.za</a>
Mr	Bester	Amanda	Wayleave Officer	Private Bag X20700 BLOEMFONTEIN 9300	<a href="mailto:WayleaCR@telkom.co.za">WayleaCR@telkom.co.za</a> <a href="mailto:BesterAD@telkom.co.za">BesterAD@telkom.co.za</a>
Ms	van den Heever	Heleen	Ops Manager Central Region	Private Bag X20700 BLOEMFONTEIN 9300	<a href="mailto:vdheevhd@telkom.co.za">vdheevhd@telkom.co.za</a>

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

**DISTRIBUTION OF THE WIND FARM DRAFT BASIC ASSESSMENT REPORT (DBAR) TO ORGANS OF STATE FOR COMMENT**

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
<b>ENDANGERED WILDLIFE TRUST</b>					
Mr	Leeuwner	Lourens	Renewable Energy Project Manager	Private Bag X11, Modderfontein, 1609, Johannesburg	<a href="mailto:lourensl@ewt.org.za">lourensl@ewt.org.za</a>
Ms	Golding	Marianne	Administrator	Private Bag X11, Modderfontein, 1609, Johannesburg	
<b>WESSA</b>					
Mr	Griffiths	Morgan	Environmental Governance Programme Manager	PO Box 12444, Centrahil, Port Elizabeth, 6006, South Africa	<a href="mailto:morgan.griffiths@wessa.co.za">morgan.griffiths@wessa.co.za</a>
<b>BIRDLIFE SOUTH AFRICA</b>					
Ms	Stevens	Candice	Policy Manager	PO Box 515 RANDBURG 2125	<a href="mailto:advocacy@birdlife.org.za">advocacy@birdlife.org.za</a>
Ms	Ralston	Samantha		PO Box 515 RANDBURG 2125	
<b>South African Astronomical Observatory</b>					
Prof	Ted	Williams	Director	PO Box 9 OBSERVATORY 1935	<a href="mailto:williams@sao.ac.za">williams@sao.ac.za</a>
Mr	Chris	Coetzee	Technical Operations Manager Sutherland Site	PO Box 25 SUTHERLAND 6920	<a href="mailto:chris@salt.ac.za">chris@salt.ac.za</a>