





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 Graskoppies Wind Farm (Ptn 1 & 2 of Graskoppies No 176 and Ptn 1, Hartebeest Leegte No 216)</p> <p>and</p> <p>Entrance road to Ithemba Wind Farm</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\"</p>



Description of the location of notice & GPS Coordinates	Picture / Photo
<p>Entrance to Hartebeest Leegte Wind Farm (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 posted 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>Hantam Local Municipality Offices</p>	 <p>Figure 1: Hantam Local Municipality's Offices, Hope Street, Calvinia</p>



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

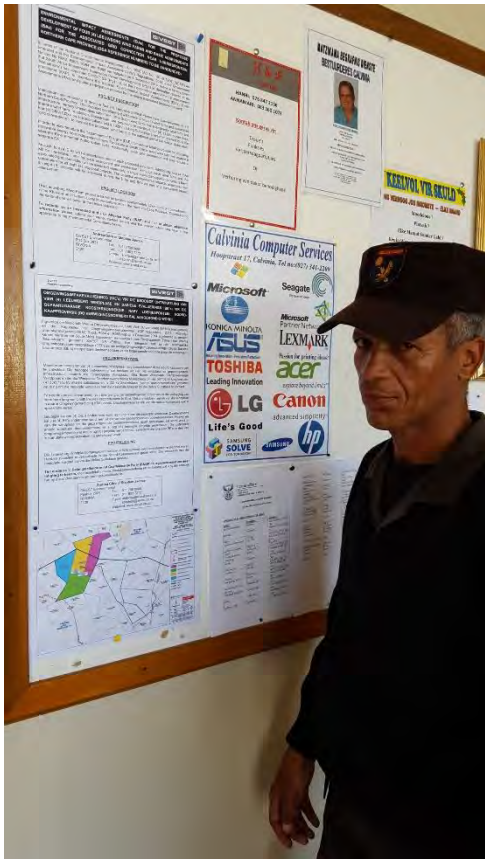


Figure 3: Mr Mark Swarts, (Security Officer) reading notices

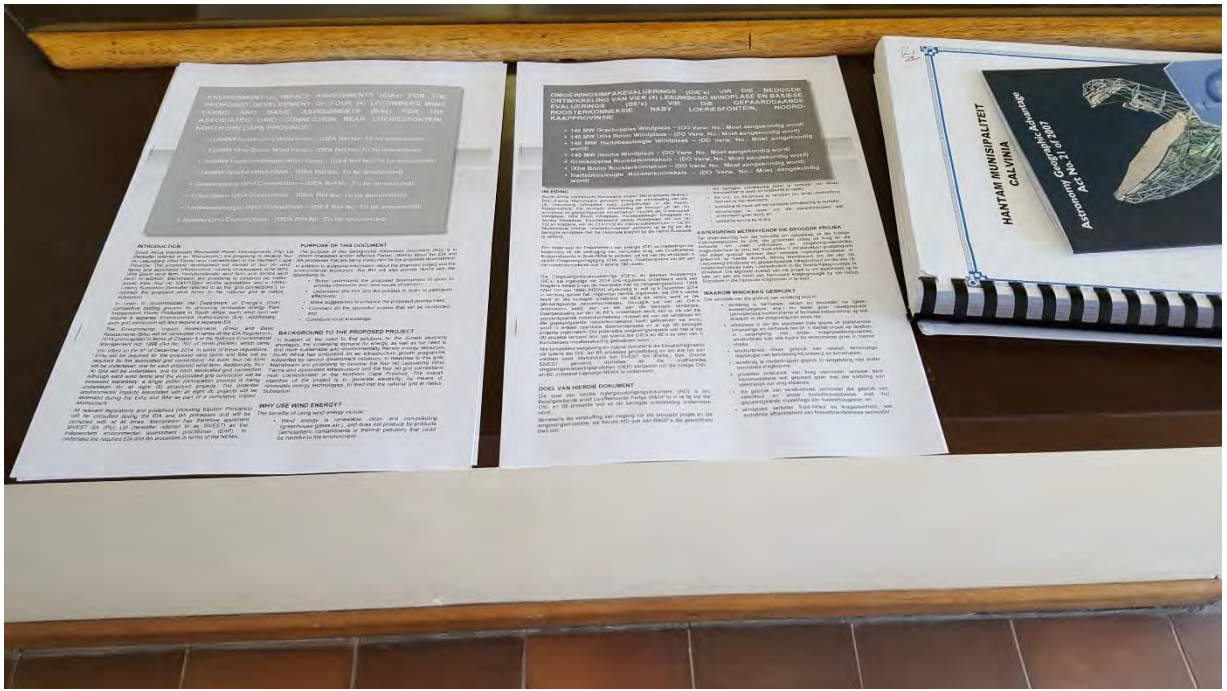


Figure 4: BID available at Reception



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

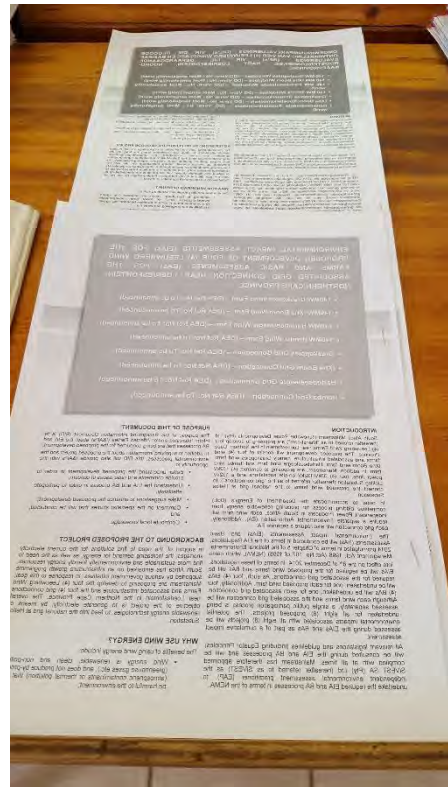


Figure 8: BID available at Reception



Figure 9: Loeriesfontein Resident reading BID



Figure 10: Mr Bennie Engelbrecht signing Visitation Register at Reception

Loeriesfontein Library



Figure 11: Ms Belinda Farmer, Librarian

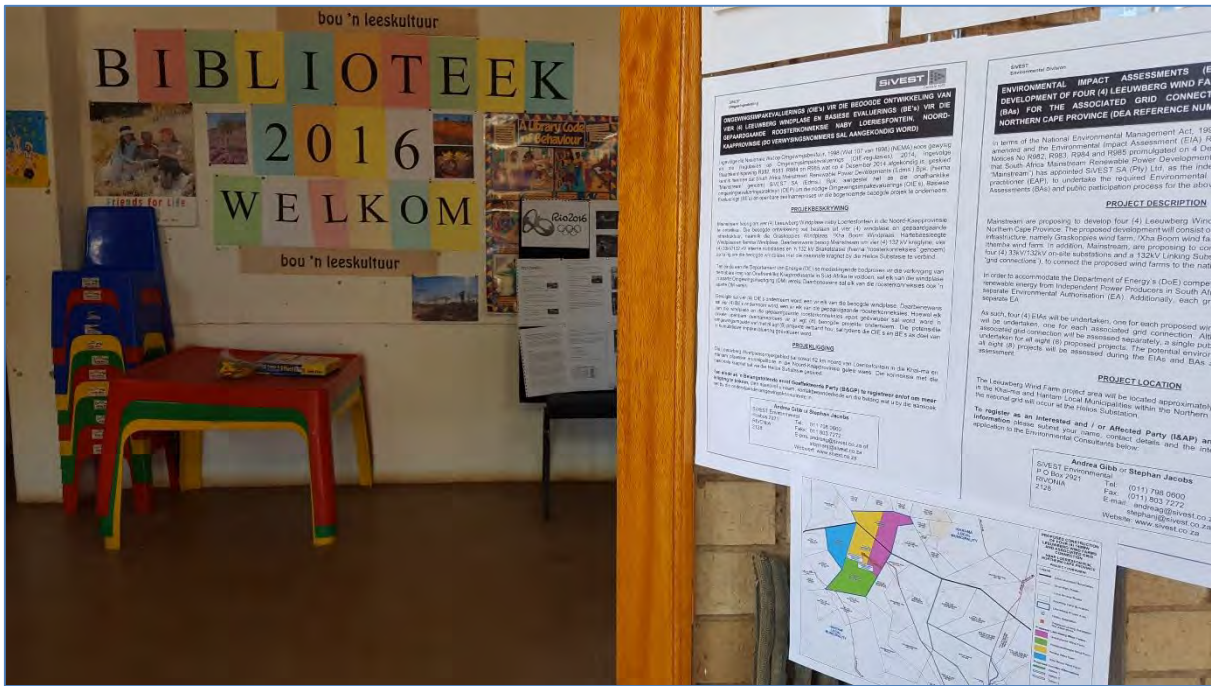


Figure 12: Entrance to Loeriesfontein Library

Loeriesfontein Post Office



Figure 13: Post Office Entrance, Main Road, Loeriesfontein

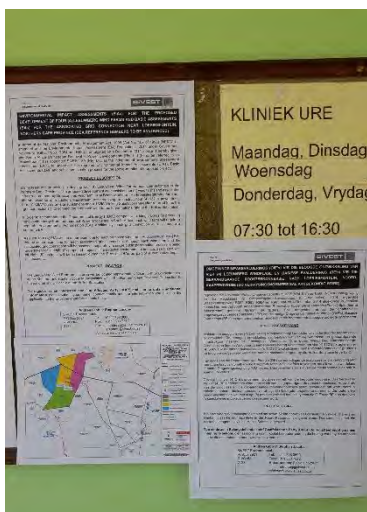
Food xpress



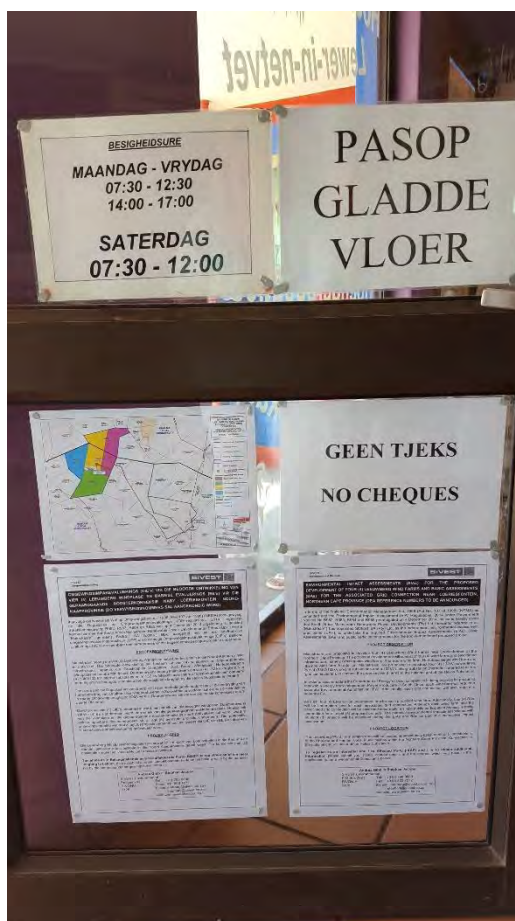
Figure 14: Local Cafe frequented by community members



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 Khai-ma 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
 or stephanj@sivest.co.za
 Website: 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.

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PROJEKLISSING

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:

Hlengiwe Ntuli of Stephan Jacobs

SiVEST Environmental

Posbus 2921

Tel: 011 798 0600

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2128

E-pos: hlengiwen@sivest.co.za of

stephanj@sivest.co.za

Webwerf: 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)

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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 8th 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.

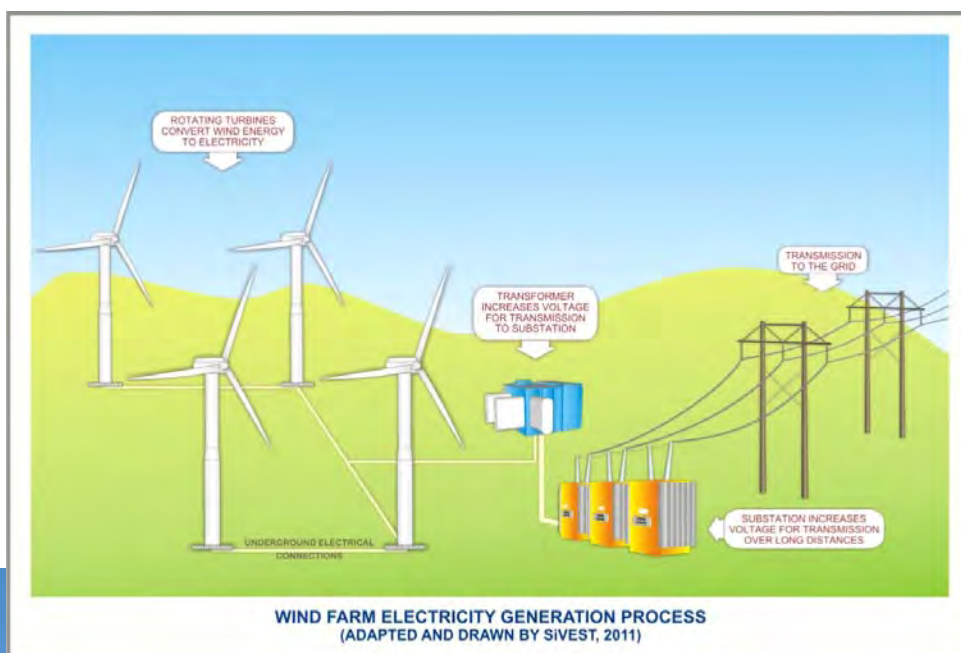
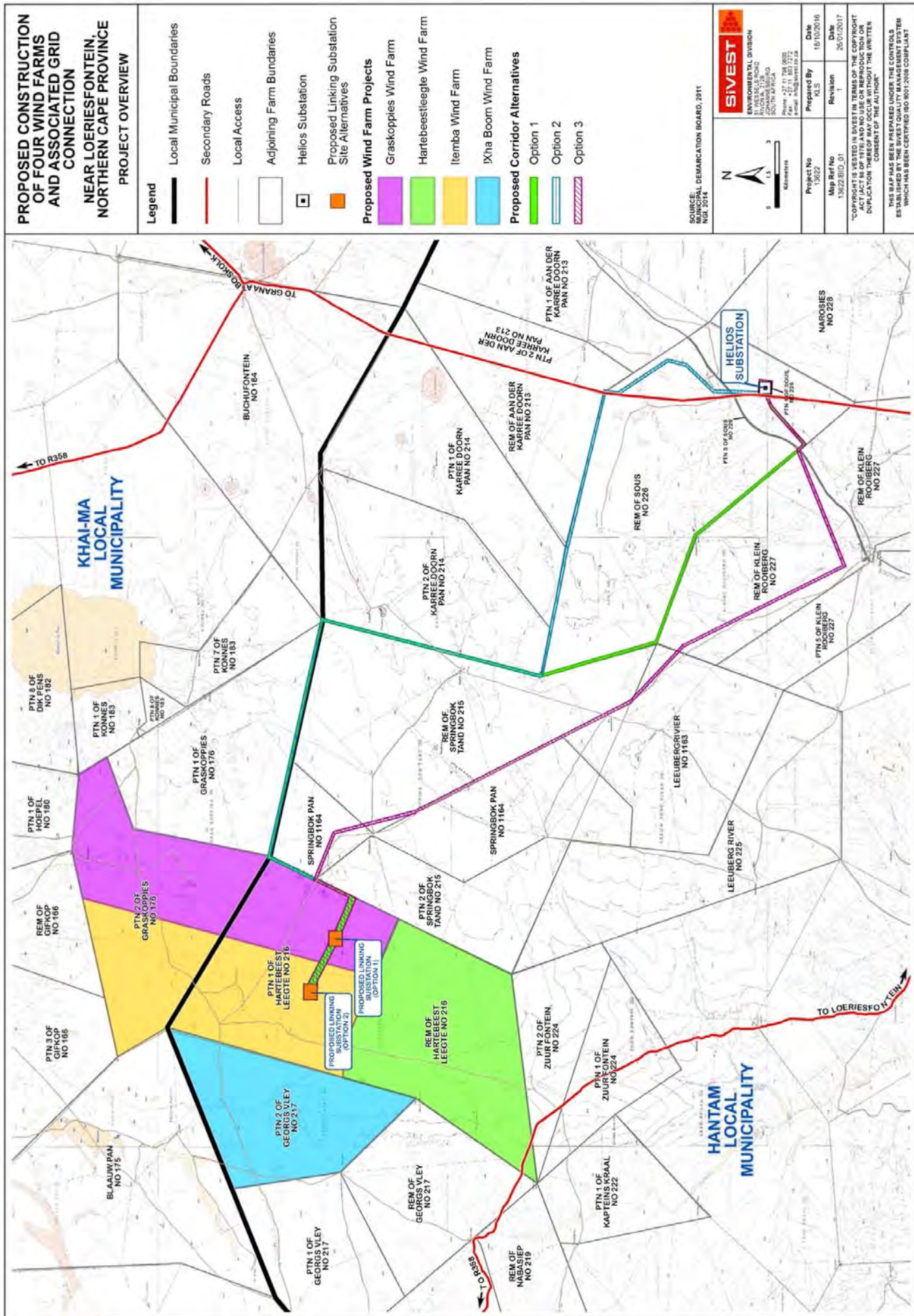


Figure 1: Conceptual wind farm electricity generation process showing electrical connections

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).

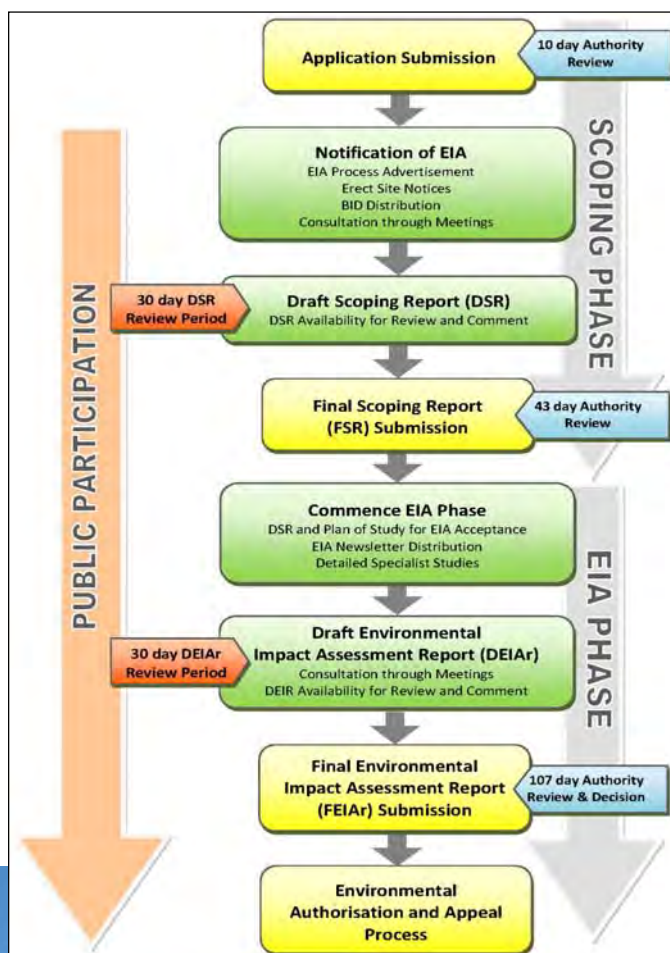
Environmental issues to be investigated during the EIA and BA

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:

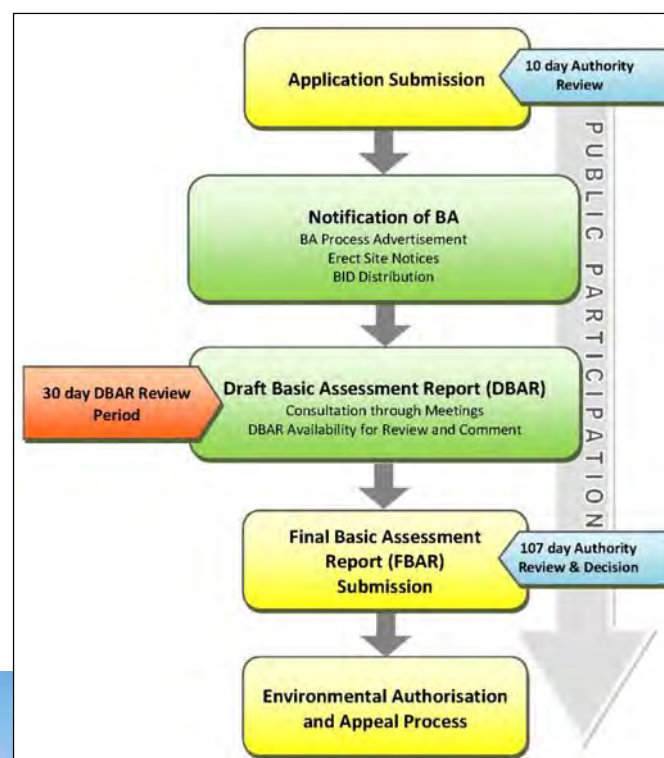
- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that 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 / stephanj@sivest.co.za

 Fax: (011) 803 7272

Websites: www.sivest.co.za

LIST OF ACRONYMS

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

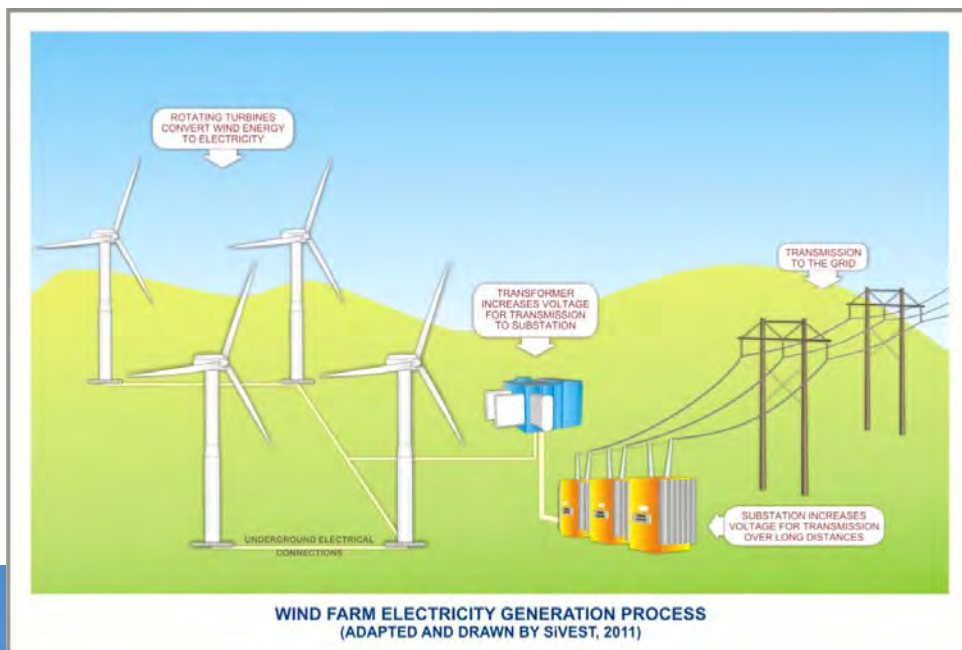
OIE- / BE-PROSESSE

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.

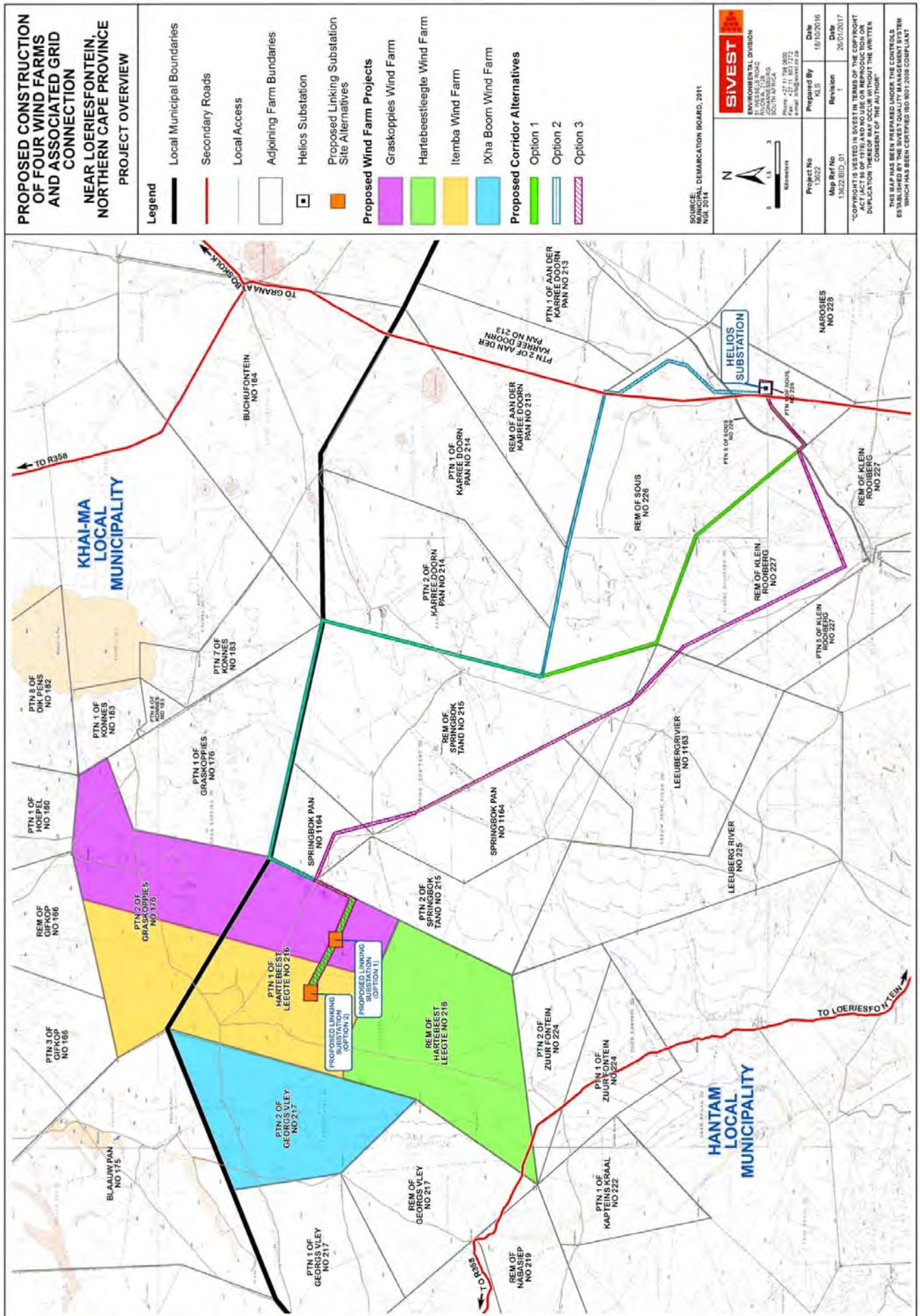
Wat is 'n BE?

'n BE is 'n proses soortgelyk aan 'n OIE, maar word onderneem waar die impakte minder waarskynlik is om 'n weselike 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:

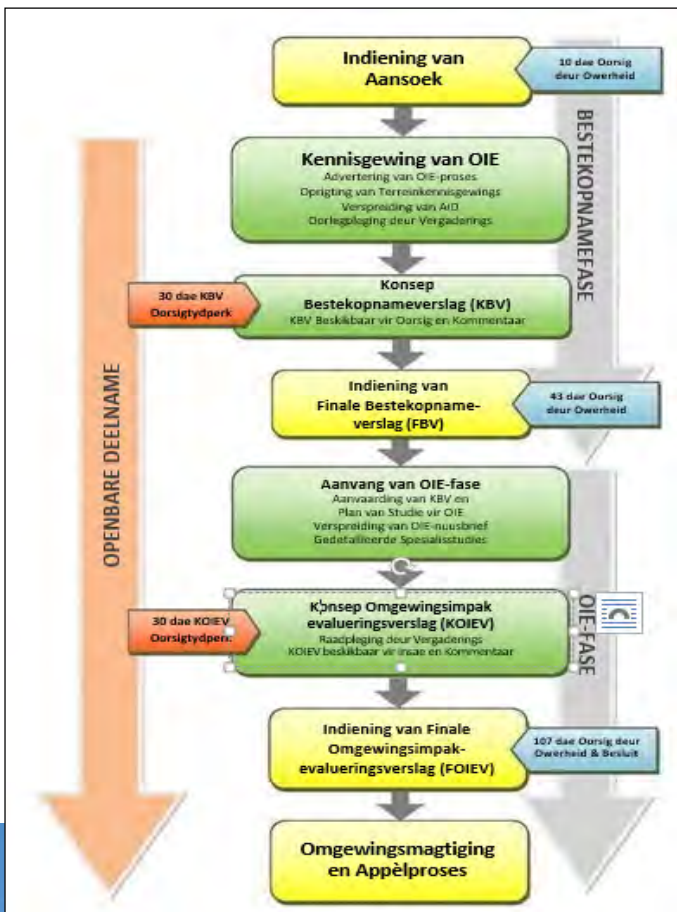
- aan die OIE- en BE-proses deelneem en uself op die projek se databasis registreer;
- enige ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of deur die beoogde projek geaffekteer word, in kennis stel van die OIE- en BE-proses en hulle aanmoedig om betrokke te raak; en
- toesien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

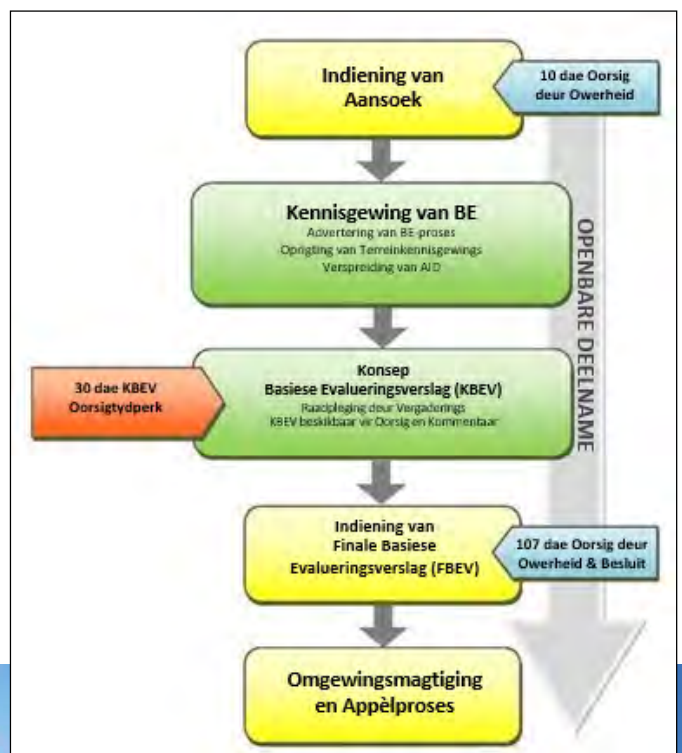
Ingevolge die OIE-regulasies, sluit ons verantwoordelikhede in die openbare raadplegingsproses in om toe te sien dat:

- 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:
 - o 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

Kontak: Andrea Gibb of Stephan Jacobs

Posbus 2921, RIVONIA, 2128

Tel: 011 798 0600

E-pos: andrag@sivest.co.za / stephanj@sivest.co.za

Faks: 011 803 7272

Webwerf: www.sivest.co.za

LYS MET AKRONIEME

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

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 BELANGSTELLENDEN 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)

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION		EMAIL	
POSTAL ADDRESS			
		POSTAL CODE	
TEL NO		FAX NO	

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

Please formally register me as an interested and affected party (I&AP) so that I may receive further information and notifications during the EIA and BA processes.	YES	NO
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@shivest.co.za website 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

LEEUBERG JU...



13622

LEEUBERG 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-KAAPPROVINSIE

- 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

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email andrea@sivest.co.za **website** www.sivest.co.za



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

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)
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- Ithemba Windplaas – (DO Verw. No.: Moet aangekondig word)
- Graskoppies Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)
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- 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-groeioprogram 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 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.

Windplase 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 windplase 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 windplase '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 Windplaseprojekgebied 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.

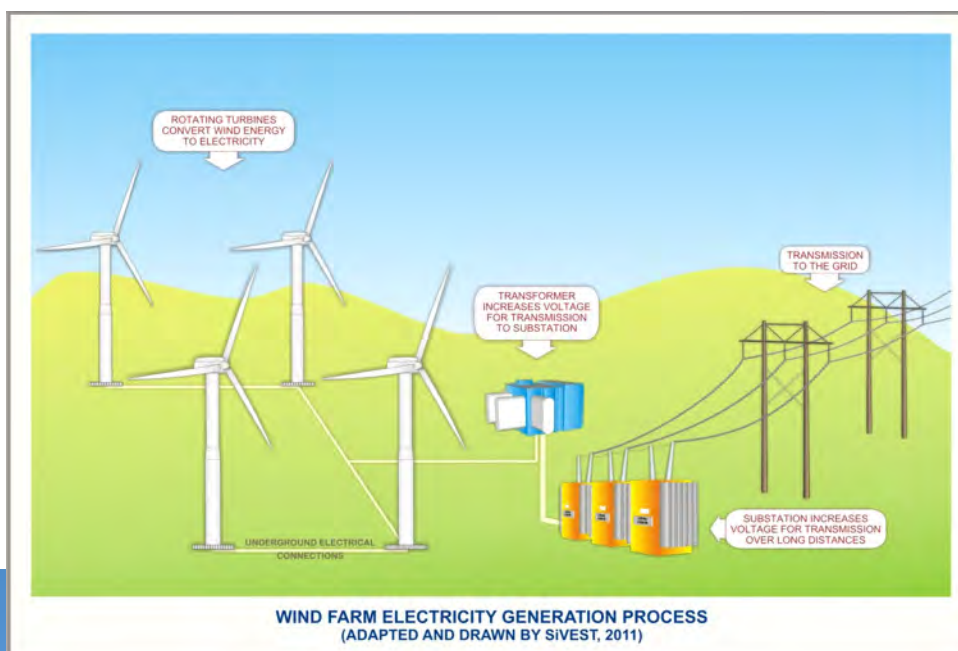
OIE- / BE-PROSESSE

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.

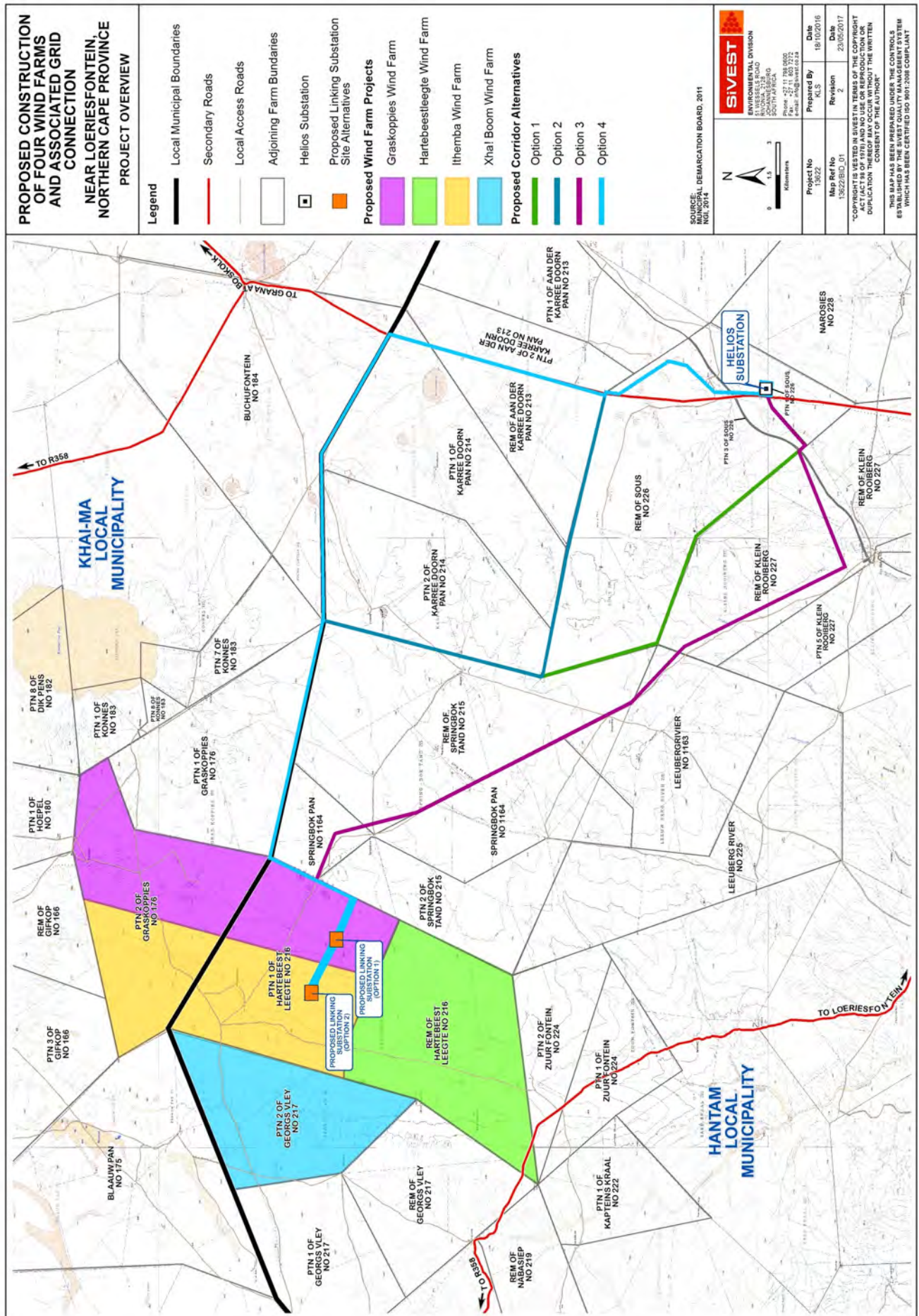
Wat is 'n BE?

'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 windplase 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.

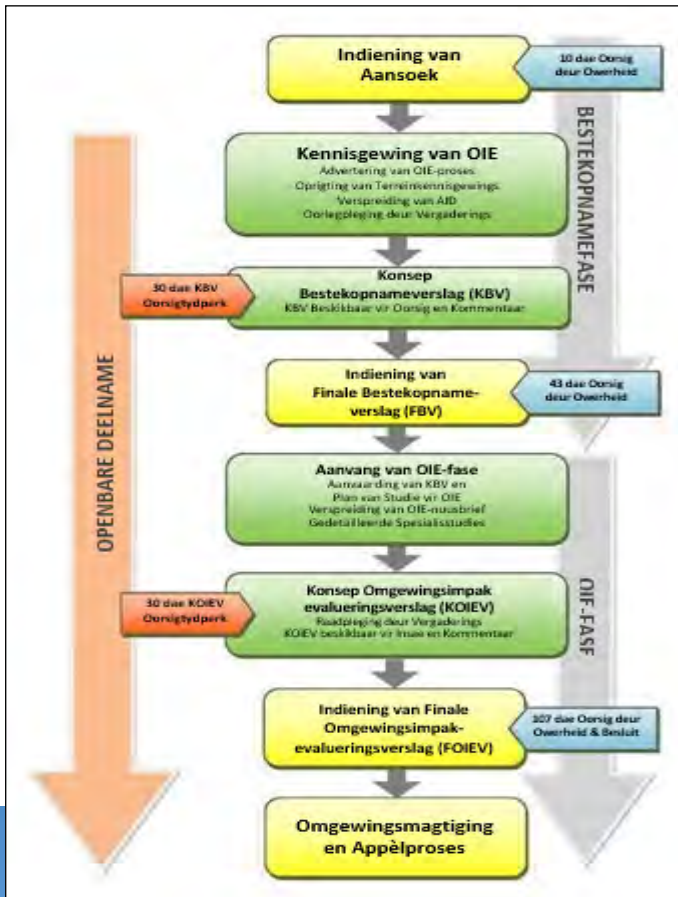
Bevoegde Owerheid

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	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:

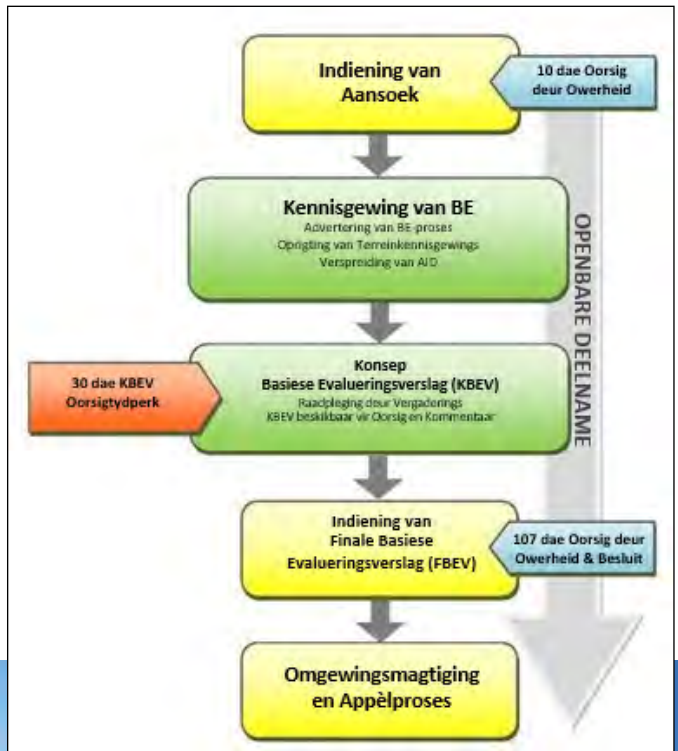
- aan die OIE- en BE-proses deelneem en uself op die projek se databasis registreer;
- enige ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of deur die beoogde projek geaffekteer word, in kennis stel van die OIE- en BE-proses en hulle aanmoedig om betrokke te raak; en
- toesien 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 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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Webwerf: www.sivest.co.za

LYS MET AKRONIEME

AID	Agtergrondinligtingsdokument	KBV	Konsep Bestekopnameverslag
B&GP	Belangstellende en/of Geaffekteerde Party	Km	Kilometer
BE	Basiese Evalueering	KOIV	Konsep Omgewingsimpakevalueringsverslag
DO	Departement van Omgewingsake	kV	Kilovolt
FBEV	Finale Basiese Evalueeringsverslag	MW	Megawatt
FOIEV	Finale Omgewings-impakevalueringsverslag	NEMA	Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998)
FV	Fotovoltaïes	OBPr	Omgewingsbestuursprogram
Ha	Hektaar	OEP	Omgewingsevalueeringspraktisyn
KBEV	Konsep Basiese Evalueeringsverslag	OIE	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 8th 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.

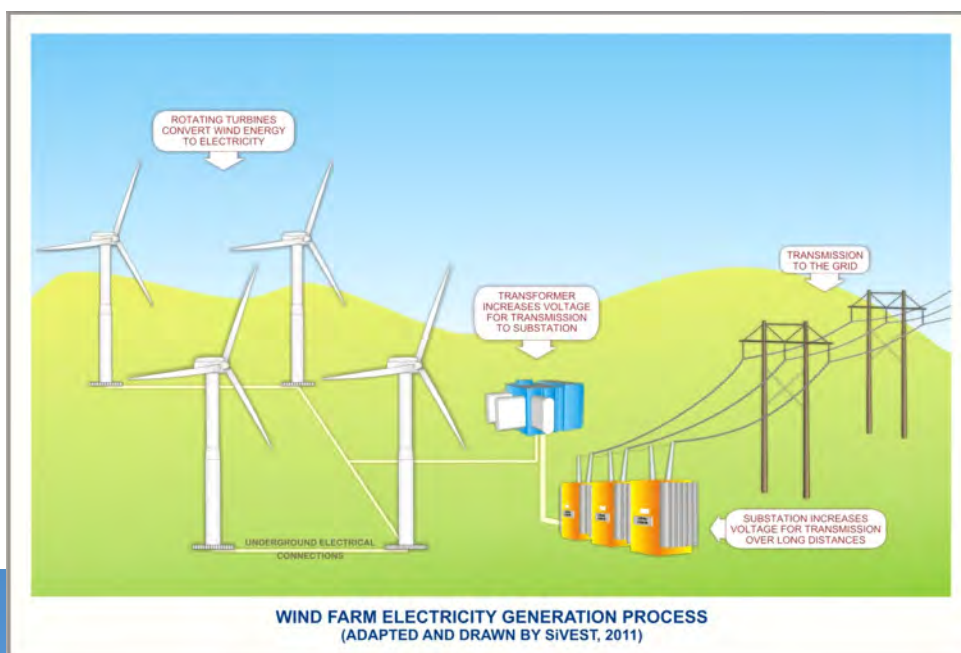
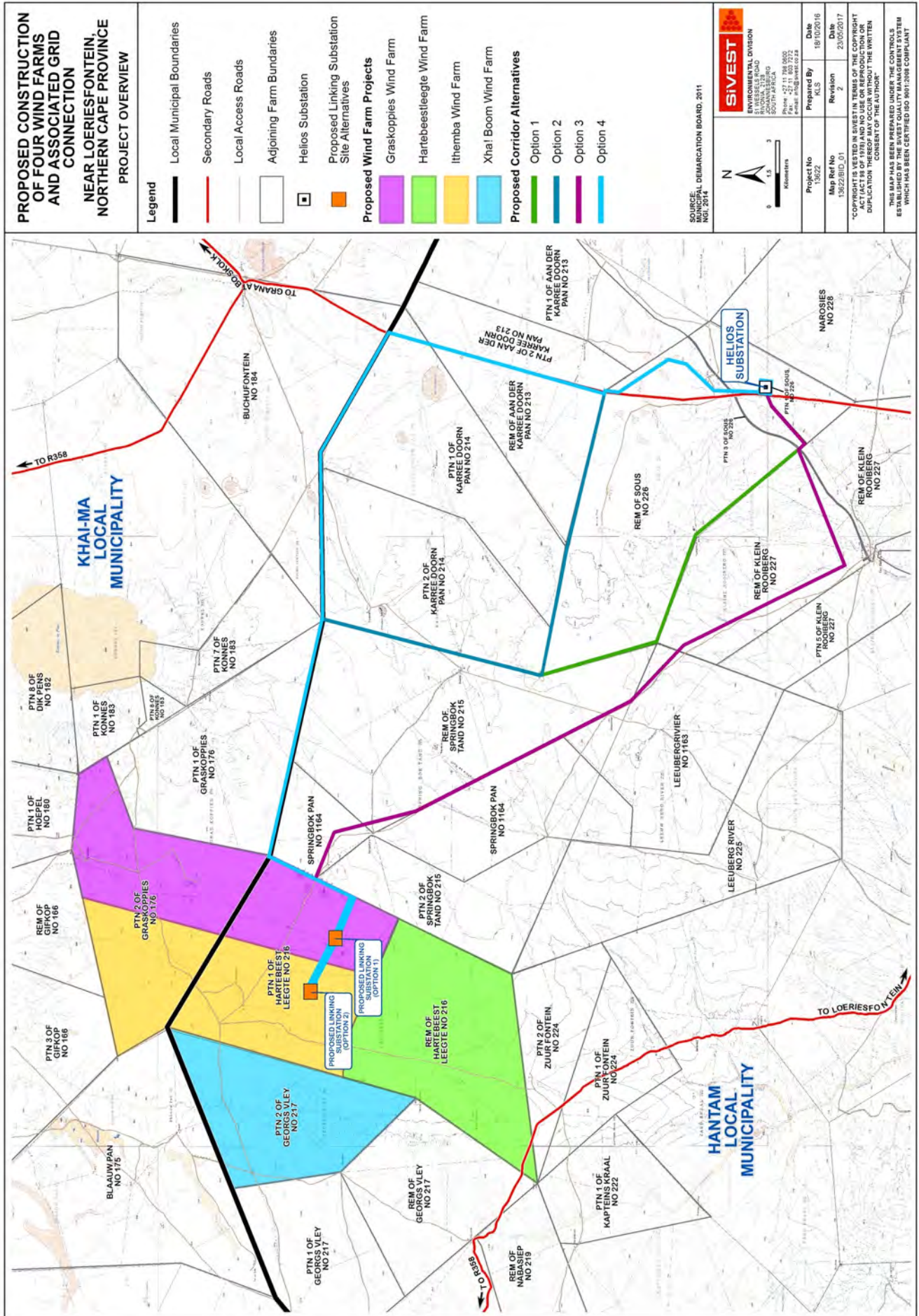


Figure 1: Conceptual wind farm electricity generation process showing electrical connections

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).

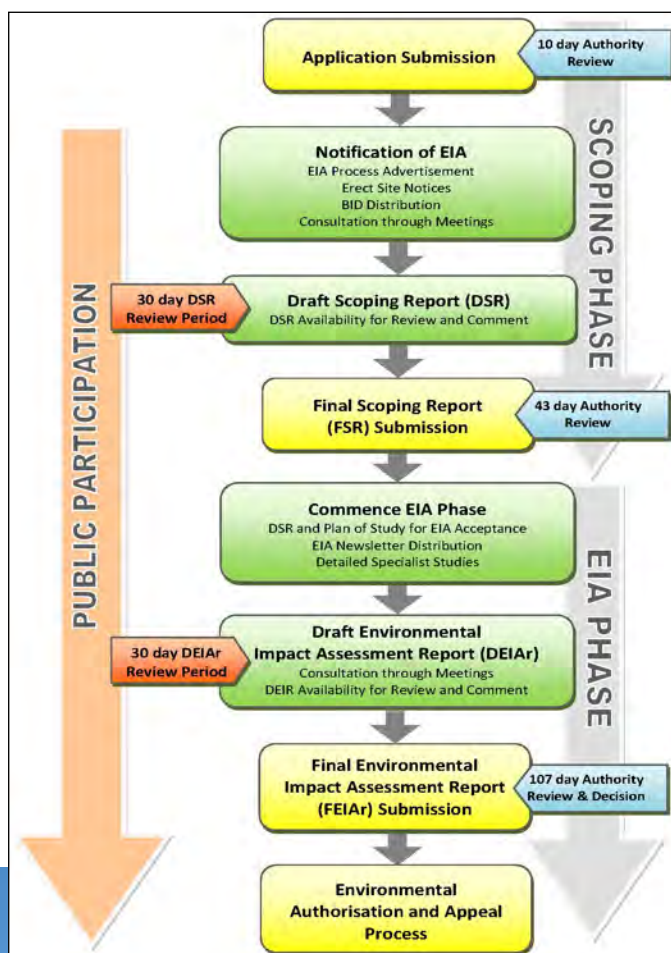
Environmental issues to be investigated during the EIA and BA

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:

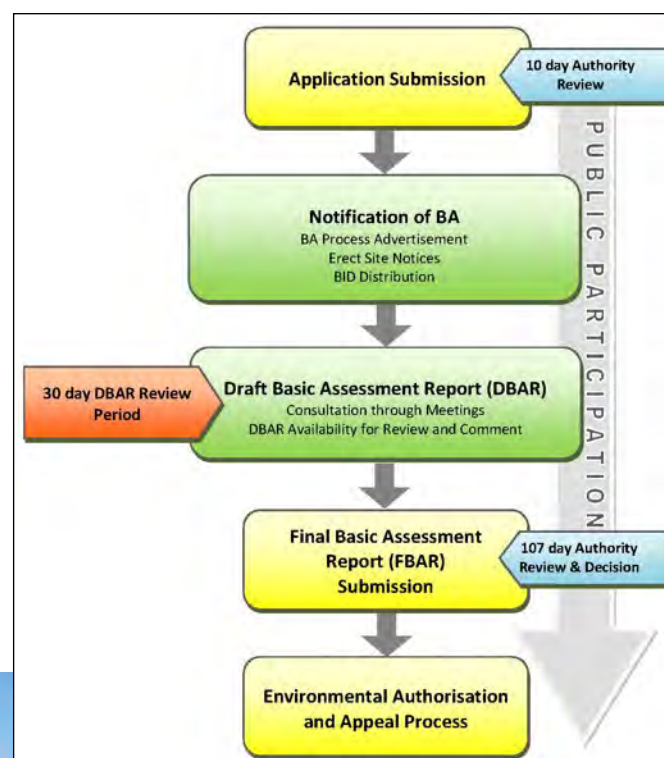
- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that 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 / stephanj@sivest.co.za

 Fax: (011) 803 7272

Websites: www.sivest.co.za

LIST OF ACRONYMS

BA	Basic Assessment	EIA	Environmental Impact Assessment
BID	Background Information Document	FBAR	Final Basic Assessment Report
DBAR	Draft Basic Assessment Report	FEIAR	Final Environmental Impact Report
DEA	Department of Environmental Affairs	Ha	Hectares
DEIAR	Draft Environmental Impact Assessment Report	I&AP	Interested and/or Affected Party
DSR	Draft Scoping Report	Km	Kilometre
EAP	Environmental Assessment Practitioner	kV	Kilovolt
EMPr	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 11h30 tot 13h00	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 11h30 until 13h00	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

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	

• **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

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

• **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 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 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 / 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

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

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

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

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

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

Shaun Taylor

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.



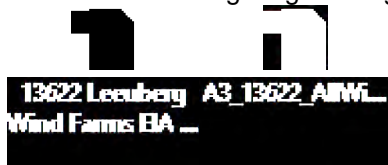
Best Regards
Shaun Taylor

.....

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 website www.sivest.co.za



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

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: 12th 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 4th of August 2017 for their review and acceptance.

The DEA accepted all four FSRs on the 11th of September 2017 (Graskoppies Wind Farm, Hartebeest Leegte Wind Farm and Ithemba Wind Farm) and the 15th 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
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27836277307	16/Oct/2017 15:11		DELIVRD
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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
 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
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

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

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.**

SiVEST Environmental Division	51 Wessel Road	Phone	+27 11 798 0600
Attention:	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

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

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

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 !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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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 Fokusgroeptvergadering (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:

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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 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 / 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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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 - Leeuwigberg

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

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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

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

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
IXha 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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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,

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

Andrea Gibb
Omgewingskonsultant
SiVEST Omgewingsafdeling

Aangehegte dokumente: Konsep sakelys
FGV Registrasievorm

U verwysing:

Ons verwysing 13622 - Leeuwigberg

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'e) VIR DIE BEOOGDE VIER MAINSTREAM WINDPLASE en BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE

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Moet aangekondig word

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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'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 - 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 - Leeuwigberg

Datum 23 Oktober 2017

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

Per e-pos: herman@raubicon.co.za / 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 - Leeuwingberg

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 - Leeuwigberg

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

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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'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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- 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 oopper; 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

• **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 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 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.

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

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 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

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

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

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

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

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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

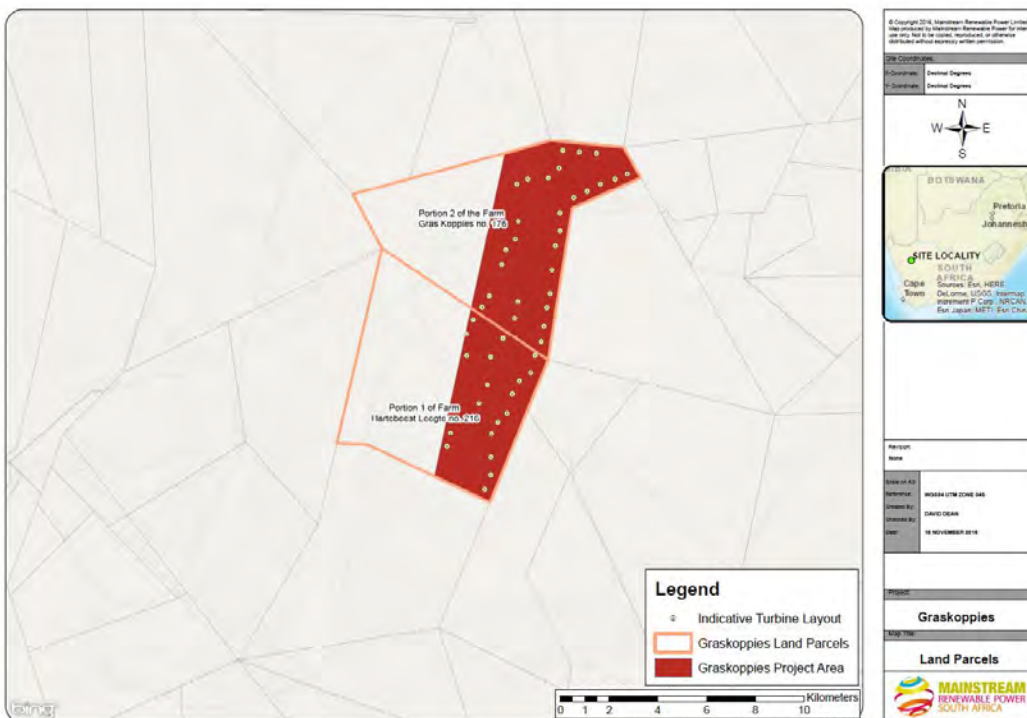


Figure 1: Site Location Map

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,



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



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

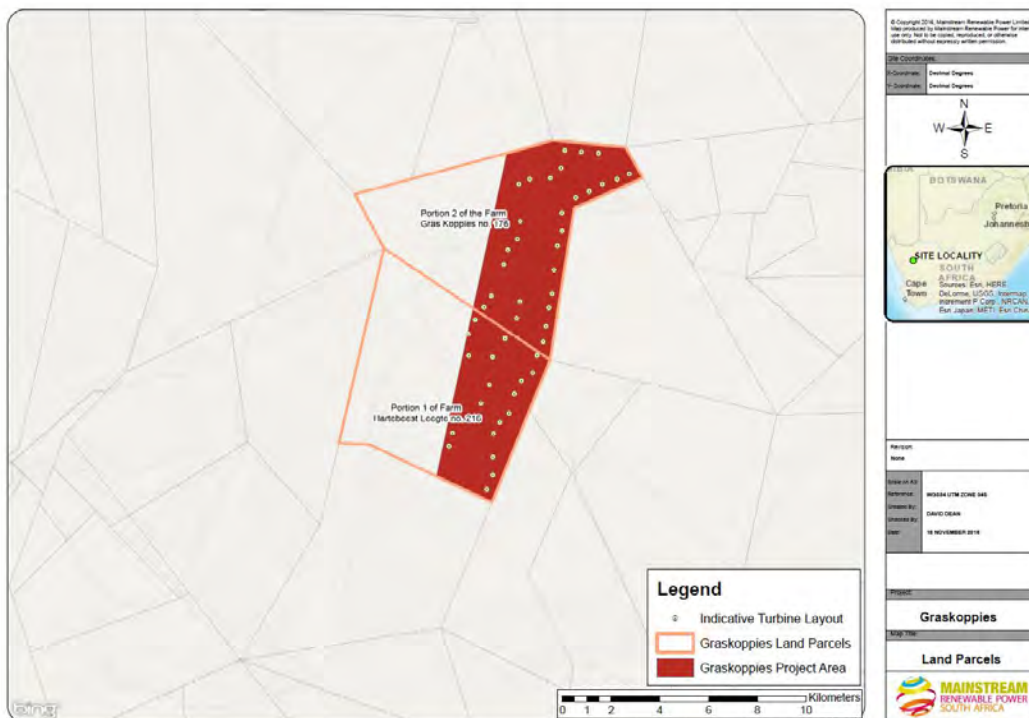


Figure 1: Site Location Map

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 (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 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,



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

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
4th 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



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Stephan Jacobs

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:
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
4th 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

A promotional banner with a pink background. On the left, there is a blue envelope icon with a white card inside that has the Mainstream Renewable Power logo. To the right of the envelope, the text "Get the latest news delivered to your inbox." is written in white. Below this text is a yellow button with the text "SIGN-UP NOW" in black.

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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 11h30 until 13h00	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,

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

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 11h30 tot 13h00	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 **website** www.sivest.co.za



MEMBER ORGANISATION 2017



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 Leeuwig Berg Projek - Uitnodiging van Fokusgroepvergadering
Attachments: Leeuwig Berg FGM Uitnodigingsbrief-MNR F VERSFELD (BUCHUFONTEIN).pdf; Leeuwig Berg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwig Berg FGM RegForm (Afr) FINAL.PDF; Leeuwig Berg 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

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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

Follow Up Flag: Follow up
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

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

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

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

Follow Up Flag: Follow up
Flag Status: Completed

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

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

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

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

Follow Up Flag: Follow up
Flag Status: Completed

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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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

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

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

Follow Up Flag: Follow up
Flag Status: Completed

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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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

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

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

Follow Up Flag: Follow up
Flag Status: Completed

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

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

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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

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

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

Follow Up Flag: Follow up
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

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

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

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

Follow Up Flag: Follow up
Flag Status: Completed

Beste Nico,

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

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

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

Follow Up Flag: Follow up
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

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

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 Leeuwborg Projek - Uitnodiging van Fokusgroepvergadering
Attachments: Leeuwborg FGM Uitnodigingsbrief-MNR T KOTZE (KAREE DOORN).pdf; Leeuwborg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwborg FGM RegForm (Afr) FINAL.PDF; Leeuwborg FGM RegForm (Eng) FINAL.PDF

Follow Up Flag: Follow up
Flag Status: Completed

Beste Theuns

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

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

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 Leeuwigberg Projek - Uitnodiging van Fokusgroepvergadering
Attachments: Leeuwigburg FGM Uitnodigingsbrief-MNR H BURDEN (Plaas Georgs Vley).pdf; Leeuwigburg FGM Uitnodigingsbrief-MEV M BURDEN (Plaas Georgs Vley).pdf; Leeuwigburg FGM Agenda-LOs (Afr)-FINAL.PDF; Leeuwigburg FGM RegForm (Afr) FINAL.PDF

Follow Up Flag: Follow up
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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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

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

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

Follow Up Flag: Follow up
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

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

Stephan Jacobs

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 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

 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.**

SIVEST Environmental Division	51 Wessel Road	Phone	+27 11 798 0600
Attention:	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

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

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-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

**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

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

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.**

SiVEST Environmental Division	51 Wessel Road	Phone	+27 11 798 0600
Attention:	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

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

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

 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 9:46 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

 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>; 'mmsecretary@khaima.gov.za' <mmsecretary@khaima.gov.za>

Cc: Andrea Gibb <AndreaG@sivest.co.za>; Shaun Taylor <ShaunT@sivest.co.za>; Stephan Jacobs <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

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

Stephan Jacobs

From: sivest_PPP
Sent: Thursday, December 14, 2017 4:54 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmothlomi@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

******* 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines') and an electronic copy (on CD) has been posted to you. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Monday 05 February 2018** (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Stephan Jacobs / Hlengiwe Ntuli
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – stephanj@sivest.co.za /
hlengiwen@sivest.co.za

Kind Regards
Andrea Gibb
Senior Manager

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 andrag@sivest.co.za **website** www.sivest.co.za



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

Stephan Jacobs

From: sivest_PPP
Sent: Thursday, December 14, 2017 4:49 PM
Cc: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Subject: 13622 Proposed Substations and Power Lines for the Wind Farms near Loeriesfontein: DBAR Comment Period Starting

******* 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,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132kV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132kV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line**
– (DEA Ref No.: To be Announced)
- **132kV Hartebeest Leegte Substations and Power Line**
– (DEA Ref No.: To be Announced)
- **132kV Ithemba Substations and Power Line**
– (DEA Ref No.: To be Announced)
- **132kV !Xha Boom Substations and Power Line**
– (DEA Ref No.: To be Announced)

• AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORTS FOR PUBLIC REVIEW

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) for the above-mentioned projects will be made available for public review and comment as from **Thursday 14 December 2017** to **Monday 05 February 2018** (before end of business day). Hard copies of the DBARs are available at the following venue:

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

The reports as well as the accompanying appendices are also available on SiVEST's website: <http://www.sivest.co.za/>, click on downloads, then browse to the folder '13622 Mainstream Substations and Power Lines'.

Attached are English and Afrikaans letters notifying you of the availability of the reports, including Comment Forms.



13622 DBAR



13622 DBAR



13622 Mainstream

Notification Lett... Notification Lett... Leeuwberg Gri...

We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Monday 05 February 2018** (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za / hlengiwen@sivest.co.za

Kind Regards

.....
ONDERWERP: 13622 Voorgestelde Substasies en Kraglyne vir doe Windplase naby Loeriesfontein: KBEV Kommentaar
Periode Begin

Geagte Belangstellende en/of Geaffekteerde Party,

**BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE 132KV MAINSTREAM SKAKEL
SUBSTASIE EN VIER (4) 132KV OP PERSEEL ESKOM SUBSTASIES EN KRAGLYNE NABY LOERIESFONTEIN,
NOORD-KAAP PROVINSIE**

- **132kV Graskoppies Substasies en Kraglyn**
– (DEA Verwysings No.: Moet nog aangekondig word)
- **132kV Hartbeest Leegte Substasies en Kraglyn**
– (DEA Verwysings No.: Moet nog aangekondig word)
- **132kV Ithemba Substasies en Kraglyn**
– DEA Verwysings No.: Moet nog aangekondig word)
- **132kV !Xha Boom Substasies en Kraglyn**
– DEA Verwysings No.: Moet nog aangekondig word)

• **BESKIKBAARHEID VAN DIE KONSEP BASIESE EVALUERINGSVERSLAE VIR OPENBARE OORSIG**

SiVEST is in die proses om die Basiese Evaluering (BE's) vir die voorgestelde ontwikkeling van die bogenoemde Substasies en Kraglyne naby Loeriesfontein in die Noord-Kaap Provinsie te onderneem.

Ons lig u graag hiermee in dat die Konsep Basiese Evaluering (KBEV's) vir die bogenoemde projekte, ooreenkomstig die Nasionale Wet op Omgewingsbestuur (NEMA) (soos gewysig), vanaf **Donderdag 14 Desember 2017** tot **Maandag 05 Februarie 2018** (voor die einde van die werksdag) beskikbaar gemaak sal wees vir openbare oorsig en kommentaar. Gedrukte kopieë van die KBEV's is beskikbaar by die plek wat hieronder genoem word:

PLEK	STRAATADRES	TYE	KONTAKNOMMER
Loeriesfontein Biblioteek	Mainstraat, Loeriesfontein	Maandae – Vrydae 14h00 – 17h00	027 662 8607

Die verslae sowel as die meegaande aanhangsels is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za>. Klik op 'Downloads' en soek dan vir die gids '13622 Mainstream Substations and Power Lines'.

Aangeheg is Engelse en Afrikaanse briewe wat u inlig oor die beskikbaarheid van die verslae, insluitende Kommentaarvorms.

Ons versoek u vriendelik om u kommentaar by die publieke deelnemende kantoor in te dien by die onderstaande besonderhede, voor of op **Maandag 05 Februarie 2018** (voor die einde van die werksdag). SiVEST sal enige kommentaar wat na die openbare kommentaar en oorsigperiode ontvang word, direk aan die betrokke saakbeampte by die Departement van Omgewingsake (DEA) stuur.

Indien u enige vrae of navrae het, moet asseblief nie huiwer om ons te kontak by:

Stephan Jacobs / Hlengiwe Ntuli

Posbus 2921, Rivonia, 2128

Tel – (011) 798 0600

Faks – (011) 803 7272

E-pos – stephanj@sivest.co.za / hlengiwen@sivest.co.za

Vriendelike groete,

Kind Regards

Andrea Gibb

Senior Manager

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 **website** www.sivest.co.za



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

DEA Reference: TBC
Our reference: 13622 – Grid
Date: 14 December 2017

Via Post

Dear Stakeholder,

BASIC ASSESSMENTS (BAs) FOR THE PROPOSED CONSTRUCTION OF THE 132kV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132kV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Substations and Power Lines – (DEA Ref No: To be announced)**
- **Xha! Boom Substations and Power Lines – (DEA Ref No: To be announced)**
- **Hartebeest Leegte Substations and Power Lines – (DEA Ref No: To be announced)**
- **Ithemba Substations and Power Lines – (DEA Ref No: To be announced)**

SIVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Mainstream Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

Please find herewith enclosed an electronic copy (on CD) of the DBARs as well as the accompanying appendices. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Monday 05 February 2018** (before end of business day). SIVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Stephan Jacobs

PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – stephanj@sivest.co.za

Yours sincerely,



Andrea Gibb
Senior Manager
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) containing the four (4) DBARs

U verwysing
Ons verwysing 13622 – Grid
Datum 14 Desember 2017

Geagte Belangstellende en/of Geaffekteerde Party,

BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE 132KV MAINSTREAM SKAKEL SUBSTASIE EN VIER (4) 132KV OP PERSEEL ESKOM SUBSTASIES EN KRAGLYNE NABY LOERIESFONTEIN, NOORD-KAAP PROVINSIE

- 132kV Graskoppies Substasies en Kraglyn – (DEA Verwysings No.: Moet nog aangekondig word)
 - 132kV Hartbeest Leegte Substasies en Kraglyn – (DEA Verwysings No.: Moet nog aangekondig word)
 - 132kV Ithemba Substasies en Kraglyn – (DEA Verwysings No.: Moet nog aangekondig word)
 - 132kV !Xha Boom Substasies en Kraglyn – (DEA Verwysings No.: Moet nog aangekondig word)
- **BESKIKBAARHEID VAN DIE KONSEP BASIESE EVALUERINGSVERSLAE VIR OPENBARE OORSIG**

SIVEST is in die proses om die Basiese Evaluering (BE's) vir die voorgestelde ontwikkeling van die bogenoemde Substasie en Kraglyne naby Loeriesfontein in die Noord-Kaap Provinsie te onderneem.

Ons lig u graag hiermee in dat die Konsep Basiese Evalueringsverslae (KBEV's) vir die bogenoemde projekte, ooreenkomstig die Nasionale Wet op Omgewingsbestuur (NEMA) (soos gewysig), vanaf **Donderdag 14 Desember 2017 tot Maandag 05 Februarie 2018** (voor die einde van die werksdag) beskikbaar gemaak sal wees vir openbare oorsig en kommentaar. Gedrukte kopieë van die KBEV's is beskikbaar by die plek wat hieronder genoem word:

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

Die verslae sowel as die meegaande aanhangsels is ook beskikbaar op SIVEST se webwerf: <http://www.sivest.co.za>. Klik op 'Downloads' en soek dan vir die gids '13622 Mainstream Substations and Power Lines'. Elektroniese kopieë kan ook by die Omgewingsevalueringpraktisyns hieronder versoek word. Indien u kommentaar oor die verslae wil lewer, moet u dit asseblief direk by SIVEST voor of op **Maandag 05 Februarie 2018** (voor die einde van die werksdag) indien. Alle kontakbesonderhede word hieronder verskaf.

SIVEST Environmental

Stephan Jacobs / Hlengiwe Ntuli
Posbus 2921
Rivonia
2128
Tel: 011 798 0600
Faks: 011 803 7272
E-pos: stephanj@sivest.co.za /
hlengiwen@sivest.co.za

U insette in hierdie proses word hoog op prys gestel aangesien dit sal help om enige omgewingsimpakte wat met hierdie beoogde projek gepaard kan gaan, te identifiseer en, indien nodig, aan te spreek.

Indien B&GP's en belanghebbers kommentaar oor die KBEV's wil indien, versoek SIVEST dringend dat hierdie skriftelike voorleggings ons voor of op **Maandag 05 Februarie 2018** (voor die einde van die werksdag) bereik.

SiVEST sal enige kommentaar wat na die openbare kommentaar en oorsigperiode ontvang word, direk aan die betrokke saakbeampte by die Departement van Omgewingsake (DEA) stuur.

Ons dank u by voorbaat vir u aktiewe en betekenisvolle bydrae tot die OIE's en die Openbare Deelnameproses.

Vriendelike groete



Andrea Gibb
Senior Bestuurder
SiVEST Omgewingsafdeling

Aangehegte dokumentasie: KBEVs Kommentaarvorms

Your reference

Our reference 13622 - Grid

Date 14 December 2017

Dear Interested and/or Affected Party / Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

• AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORTS FOR PUBLIC REVIEW

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) for the above-mentioned projects will be made available for public review and comment as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day). Hard copies of the DBARs are available at the following venue:

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

The reports as well as the accompanying appendices are also available on SiVEST's website: <http://www.sivest.co.za/>, click on Downloads, then browse to the folder '13622 Mainstream Substations and Power Lines'. Electronic copies can also be requested from the Environmental Assessment Practitioners (EAPs) below. Should you wish to comment on the reports, please submit these directly to SiVEST on or before **Monday 05 February 2018** (before end of business day). All contact details are provided below.

SiVEST Environmental

Stephan Jacobs / Hlengiwe Ntuli
PO BOX 2921
Rivonia
2128
Tel: 011 798 0600
Fax: 011 803 7272
Email: stephanj@sivest.co.za /
hlengiw@siVEST.co.za

Your input into this process is highly valued as it will help identify, and if required, address, any environmental impacts that may be associated with this proposed project.

Should I&APs and stakeholders wish to submit comments on the DBARs, SiVEST urges that these written submissions reach us on or before **Monday 05 February 2018** (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the

Department of Environmental Affairs (DEA).

We would like to thank you in anticipation of your active and meaningful contribution to the BA and Public Participation process.

Kind Regards

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

Andrea Gibb
Senior Manager
SiVEST Environmental Division

Documents attached: DBAR Comment Form

Andrea Gibb

From: sivist_PPP
Sent: Thursday, 11 January 2018 2:09 PM
Cc: Andrea Gibb; Stephan Jacobs; 'Nicolene Venter'; 'rebecca.thomas@mainstreamrp.com'
Subject: Four (4) Proposed Mainstream Wind Farms near Loeriesfontein- Draft Minutes for Landowner FGM held on 1 Nov 2017

******* 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 Landowners,

Please find attached for your convenience the Draft Minutes of the Landowner Focus Group Meeting (FGM) which was held on Wednesday 01 November 2017 for the four (4) proposed Mainstream Wind Farms near Loeriesfontein in the Northern Cape Province (i.e. Graskoppies Wind Farm, Hartebeest Leegte Wind Farm, Ithemba Wind Farm and Xha! Boom Wind Farm).

Please feel free to contact us should there be any problems.



13622 Leeuwberg
FGM LOs_Draft ...

Kind Regards,

Stephan Jacobs (*B.Sc.(Hons) Environmental Management and Analysis*)

Environmental Consultant

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

email stephanj@sivest.co.za **website** www.sivest.co.za



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

Stephan Jacobs

From: sivist_PPP
Sent: Wednesday, January 31, 2018 8:36 AM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhom@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ending
Importance: High

******* 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,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

Please note that the final day for comments on the Draft Basic Assessments Reports (DBARs) for the above mentioned wind farm projects is **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments by the close of business on the **Monday 05 February 2018 (COB)**

Should you have any comments, please feel free to contact the public participation office at the details below:

SiVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs
PO BOX 2921
Rivonia
2128
Tel: 011 798 0600
Fax: 011 803 7272
Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za



13622 DBAR

Notification Lett...



13622 DBAR

Kind Regards
Andrea Gibb
Senior Manager
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 andreaq@sivest.co.za **website** www.sivest.co.za



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

From: sivest_PPP

Sent: 14 December 2017 04:54 PM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;
'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>; 'Nicolene Venter'
<nicolene@imaginativeafrica.co.za>

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
<morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
<commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff'
<Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko
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<marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens'
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Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@saa.ac.za>; 'Samantha Ralston-Paton'
<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane'
<MahunonyaneM@dws.gov.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Lourens Leeuwner'
<lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer'
<spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse'
<roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>;
'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'
<ruth.cuttings@yahoo.com>; 'kmotlhomi@ncpg.gov.za' <kmotlhomi@ncpg.gov.za>; 'lefleurd@dws.gov.za'
<lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

******* 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- 132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)
- 132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)
- 132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za> click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines') and an electronic copy (on CD) has been posted to you. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Monday 05 February 2018** (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za /
hlengiwen@sivest.co.za

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

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Direct +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272

email andrea@sivest.co.za **website** www.sivest.co.za



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

Stephan Jacobs

From: sivist_PPP
Sent: Thursday, February 22, 2018 4:16 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomini@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ended
Importance: High
Follow Up Flag: Follow up
Flag Status: Completed

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Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
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Please note that the final day for comments on the Draft Basic Assessments Reports (DBARs) for the above mentioned wind farm projects was **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments if not done already.

If you do not have any comments please reply to the email and indicate so.

Should you have any comments, please feel free to contact the public participation office at the details below:

SiVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs
PO BOX 2921
Rivonia
2128
Tel: 011 798 0600
Fax: 011 803 7272

Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator
SiVEST Environmental Division



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email hlengiwen@sivest.co.za **website** www.sivest.co.za



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

From: sivest_PPP

Sent: 31 January 2018 08:36 AM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;
'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>; 'Nicolene Venter'
<nicolene@imaginativeafrica.co.za>

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
<morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
<commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff'
<Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko
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<marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens'
<advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Adriaan
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<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane'
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<lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer'
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<roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>;
'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'
<ruth.cuttings@yahoo.com>; 'kmotlhoml@ncpg.gov.za' <kmotlhoml@ncpg.gov.za>; 'lefleurd@dws.gov.za'
<lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs
Comment Period Ending

Importance: High

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as it is an unmonitored email account.*******

Dear Stakeholder,

**BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING
SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR
LOERIESFONTEIN, NORTHERN CAPE PROVINCE**

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SIVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs
 PO BOX 2921
 Rivonia
 2128
 Tel: 011 798 0600
 Fax: 011 803 7272
 Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za

<< File: 13622 DBAR Notification Letter IAPs (Afr).pdf >> << File: 13622 DBAR Notification Letter IAPs (Eng).pdf >>

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

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 email andreaq@sivest.co.za website www.sivest.co.za



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

From: sivest_PPP

Sent: 14 December 2017 04:54 PM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;
 'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>; 'Nicolene Venter'
 <nicolene@imaginativeafrica.co.za>

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
 <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
 <commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff'
 <Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
 <socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
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Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

******* 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
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Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za /
hlengiwen@sivest.co.za

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

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 **website** www.sivest.co.za



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