




ENVIRONMENTAL IMPACT ASSESSMENT
For the proposed Construction of Four Wind Farms near Loeriesfontein
(Graskoppies; Ithemba; Hartebeest Leegte and Xha! Booma) near Loeriesfontein, Northern Cape Province

EIA 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 Ixha 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 Hartebeestleegte 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 two white notices posted on a fence. To the left of the notices is a small white sign with 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, two white notices are posted on the fence, with a handwritten sign to their left. The landscape is arid with sparse vegetation and a clear blue sky.</p>

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)

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, Hartebeesleegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct four (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 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 for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

PROJECT LOCATION

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

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

Andrea Gibb or Stephan Jacobs
SiVEST Environmental
P O Box 2921 Tel: (011) 798 0600
RIVONIA Fax: (011) 803 7272
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 stephanj@sivest.co.za
 Website: www.sivest.co.za

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ENVIRONMENTAL IMPACT ASSESSMENT
For the proposed Construction of Four Wind Farms near Loeriesfontein
(Graskoppies; Ithemba; Hartebeest Leegte and Xha! Booma) near Loeriesfontein, Northern Cape Province

EIA PROCESS NOTICES
(erected between Wednesday, 26 and Friday, 28 October 2016)


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



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

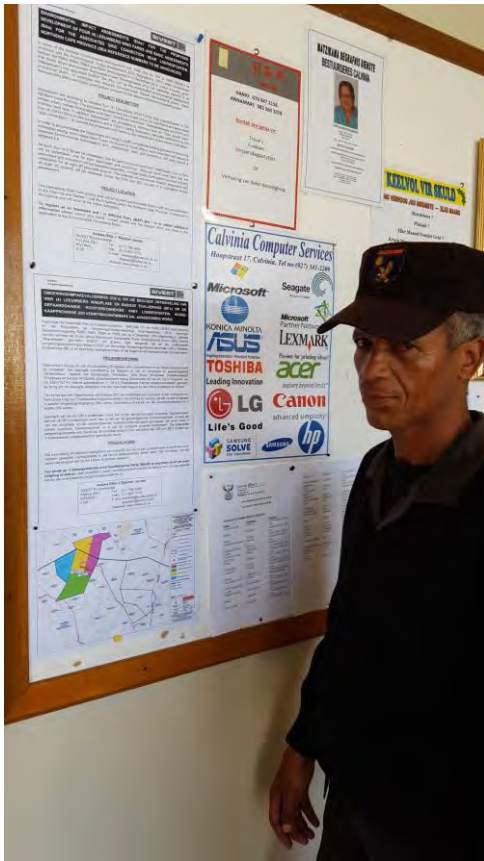


Figure 3: Mr Mark Swarts, Security Officer, reading notices

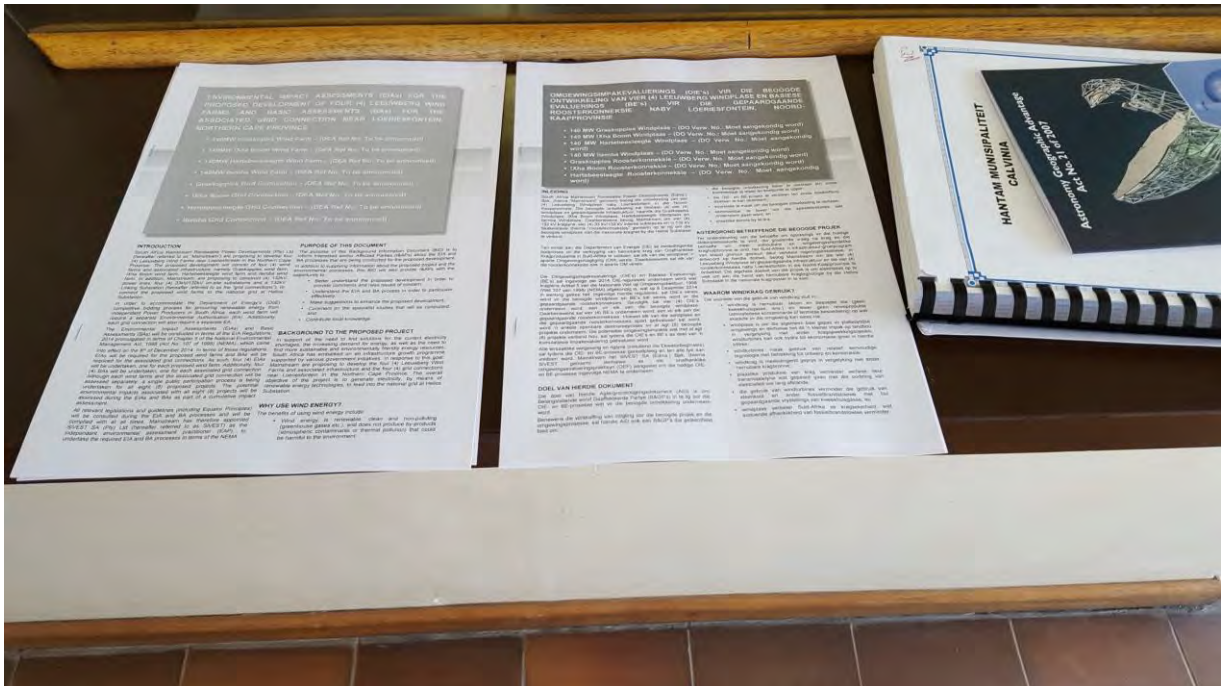


Figure 4: BID available at Reception



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

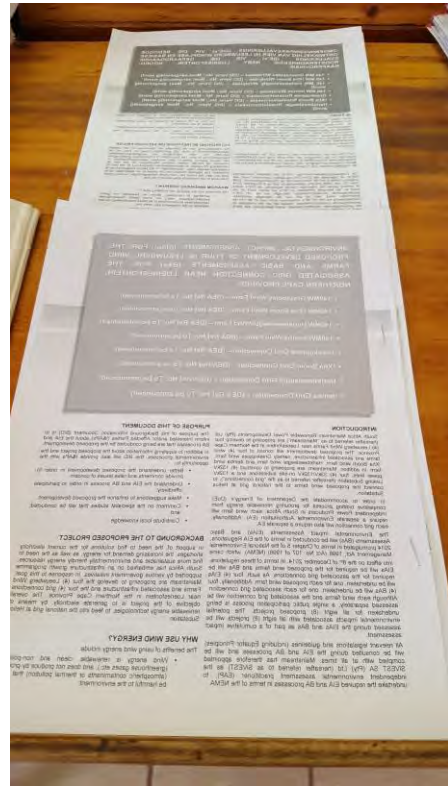


Figure 8: BID available at Reception



Figure 9: Loeriesfontein Resident reading BID



Figure 10: Mr Bennie Engelbrecht signing Visitation Register at Reception

Loeriesfontein Library

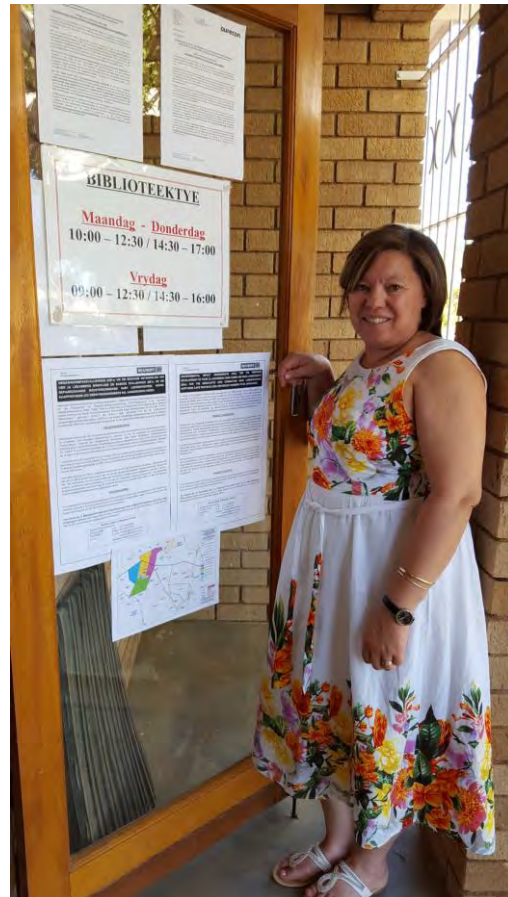


Figure 11: Ms Belinda Farmer, Librarian

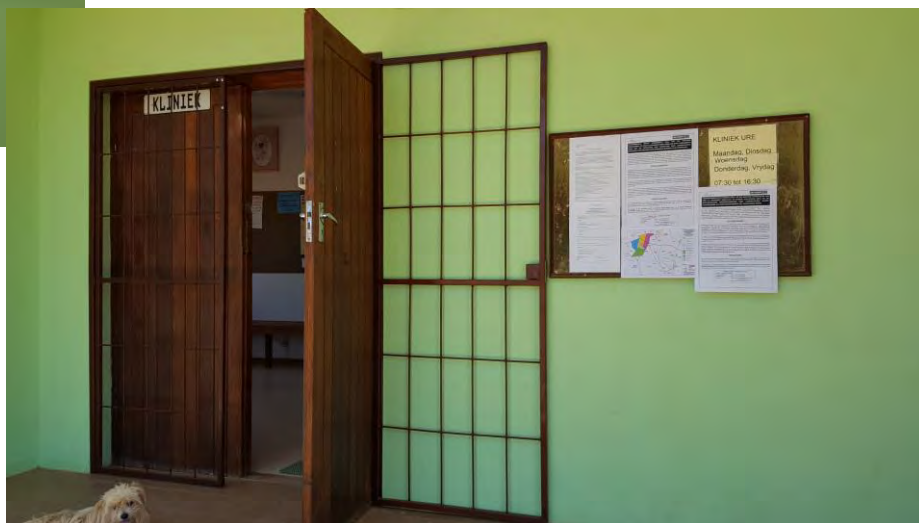
Food xpress



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 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.

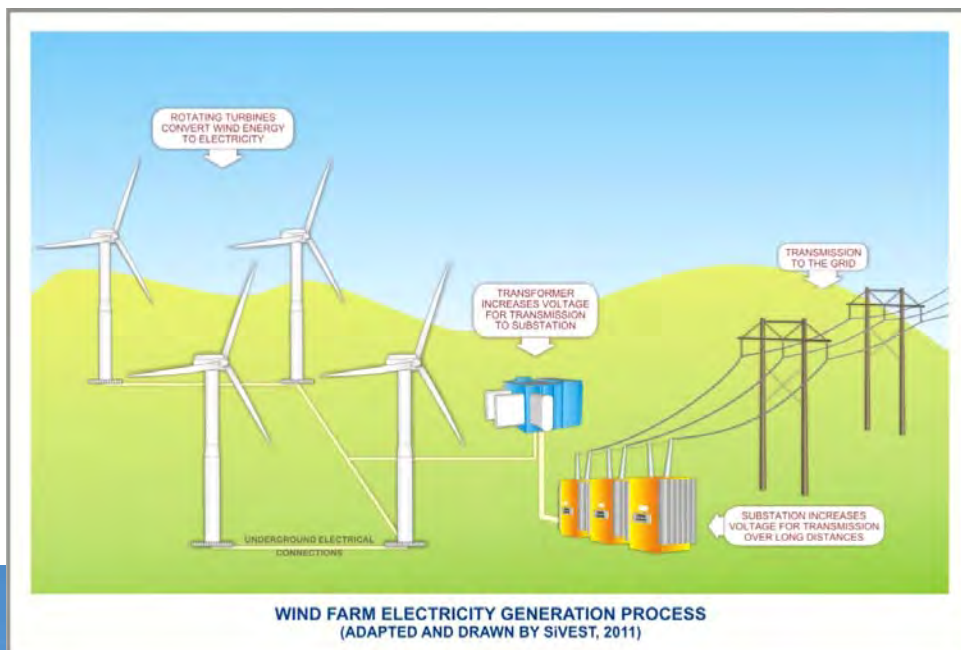
What is a BA?

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



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).

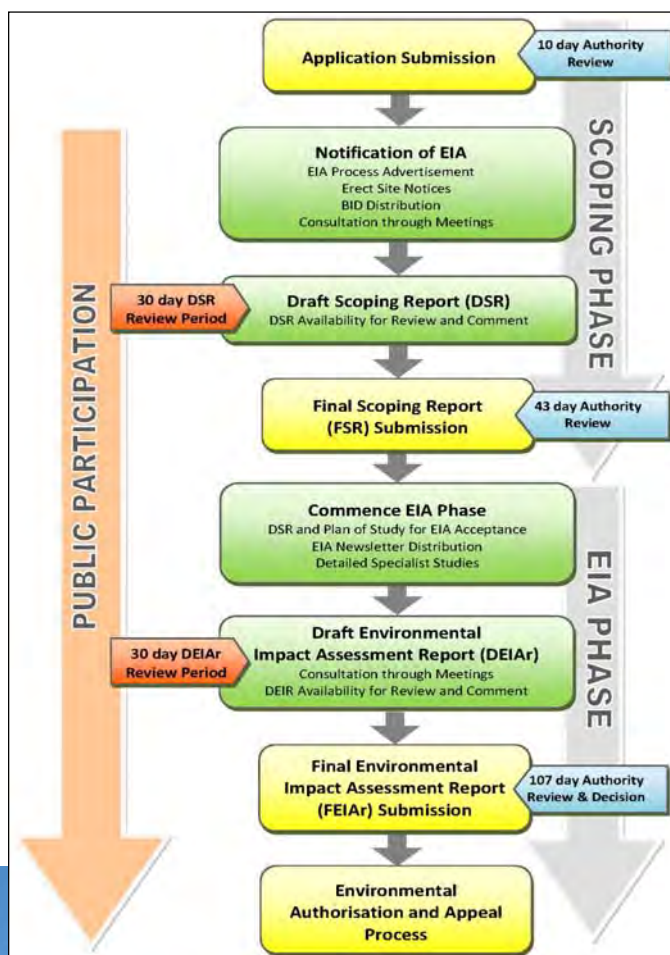
Environmental issues to be investigated during the EIA and BA

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:

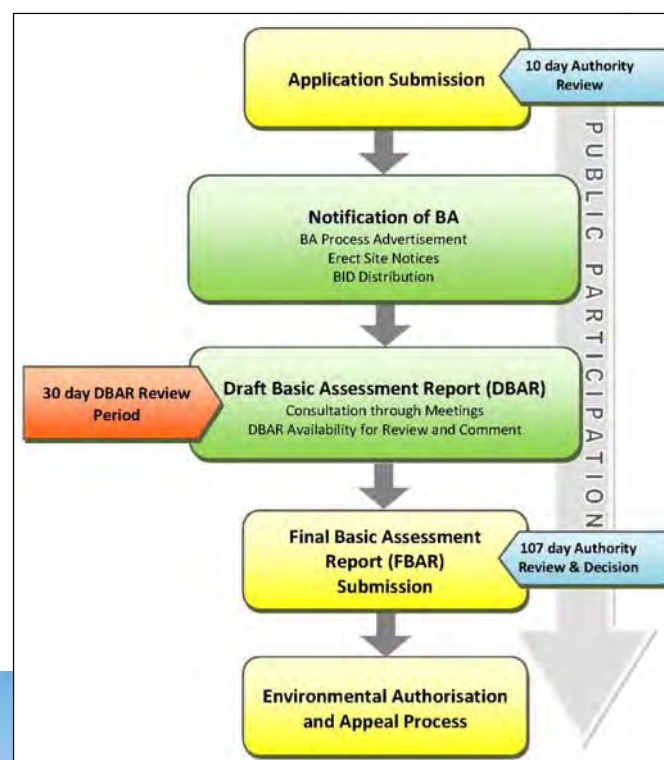
- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that 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 Omgewingsimpakevaluerings (OIE's) en Basiese Evaluerings (BE's) sal ingevolge die 2014 OIE-regulasies onderneem word wat kragtens Artikel 5 van die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) afgekondig is, wat op 8 Desember 2014 in werking getree het. Ingevolge hierdie regulasies, sal OIE's vereis word vir die beoogde windplase en BE's sal vereis word vir die gepaardgaande roosterkonneksies. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elk van die windplase en die gepaardgaande roosterkonneksies apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) beoogde projekte onderneem. Die potensiele omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

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

DOEL VAN HIERDIE DOKUMENT

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

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

AGTERGROND BETREFFENDE DIE BEOOGDE PROJEK

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

WAAROM WINDKRAG GEBRUIK?

Die voordele van die gebruik van windkrag sluit in:

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

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

HOE WERK 'N WINDTURBINE?

Windturbines is op 'n toring gemonteer om windkrag in te span. Die kinetiese energie wat deur die wind opgewek word, word ingespan om 'n turbine se skroewe te draai ten einde elektrisiteit op te wek. Die windturbines word opgerig teen 'n hoogte van hoogstens 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

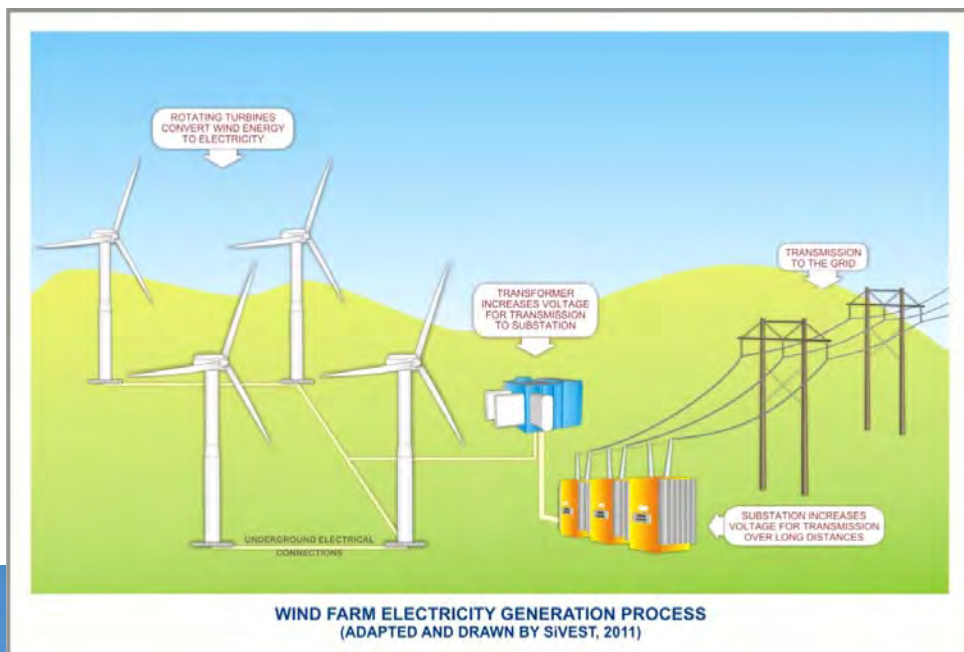
Wat is 'n OIE?

'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.

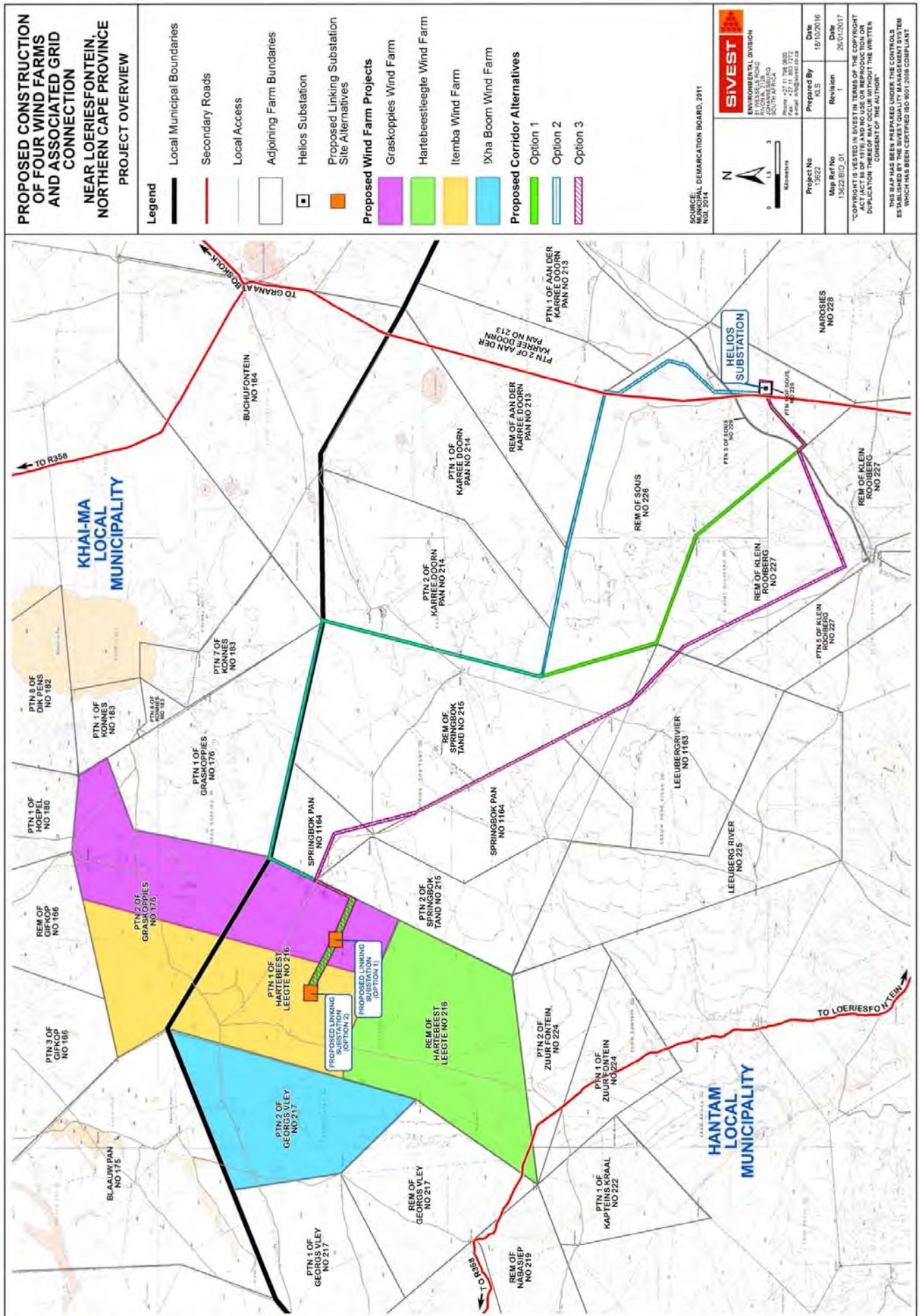
Wat is 'n BE?

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

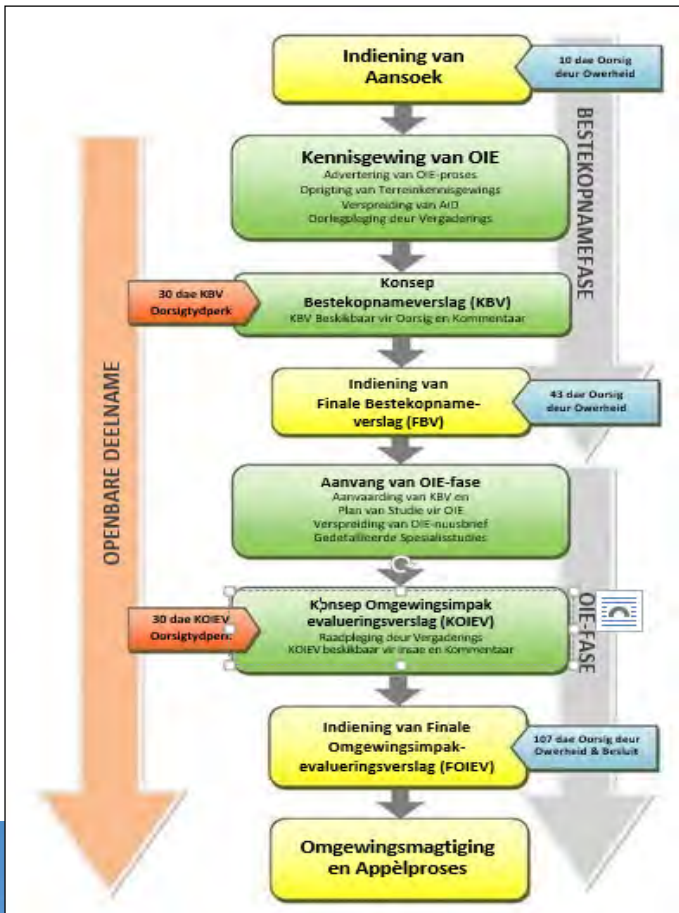
Bevoegde Owerheid

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

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 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:

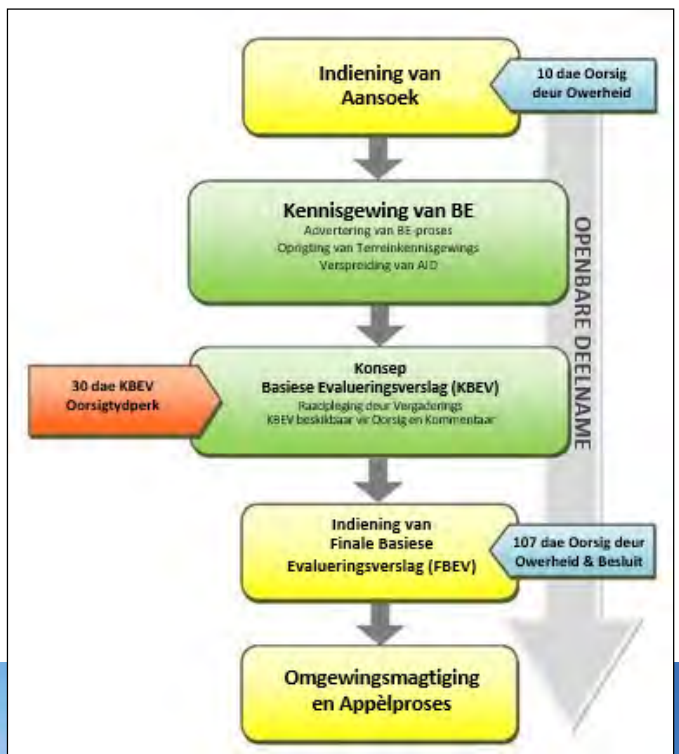
- aan die OIE- en BE-proses deelneem en uself op die projek se databasis registreer;
- enige ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of deur die beoogde projek geaffekteer word, in kennis stel van die OIE- en BE-proses en hulle aanmoedig om betrokke te raak; en
- toesien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

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

REGISTRASIE- EN KOMMENTAARVORM

Vergesel Agtergrondinligtingsdokument: Februarie 2017

Openbare Deelnamekantoor



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

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

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

REGISTRASIE AS 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

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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
LEEUWBERG JU...



13622
LEEUWBERG JU...

Kind Regards

Geagte Belangstellende en/of Geaffekteerde Party

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

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

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

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

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

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

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

Vriendelike groete

Kind Regards,

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



SiVEST is a Level 3 BBBEE Contributor

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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)**
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- **Graskoppies Grid Connection – (DEA Ref No: To be announced)**
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- 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)
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- Ithemba Roosterkonneksie – (DO Verw. No.: Moet aangekondig word)

INLEIDING

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

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

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

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

DOEL VAN HIERDIE DOKUMENT

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

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

AGTERGROND BETREFFENDE DIE BEOOGDE PROJEK

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

WAAROM WINDKRAG GEBRUIK?

Die voordele van die gebruik van windkrag sluit in:

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

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

HOE WERK 'N WINDTURBINE?

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

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

TEGNIËSE BESONDERHEDE VAN 'N WINDPLAAS

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

Windturbines

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

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.

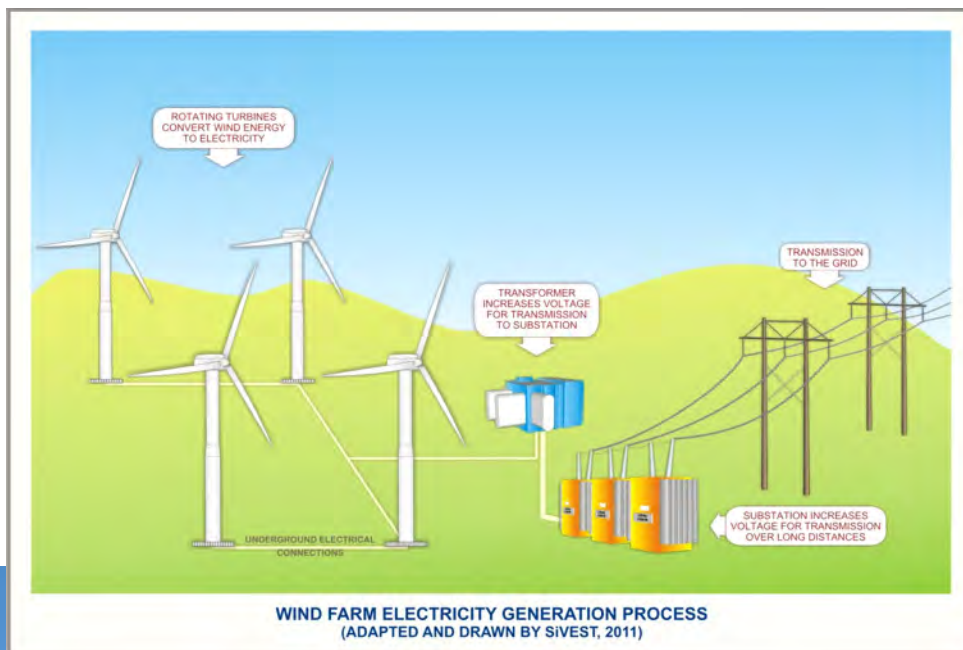
OIE- / BE-PROSESSE

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 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 wesenlike 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 windplase kragopwekkingsproses wat elektriese konneksies aandui

Wetlike vereistes

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

Bevoegde Owerheid

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

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

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

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:

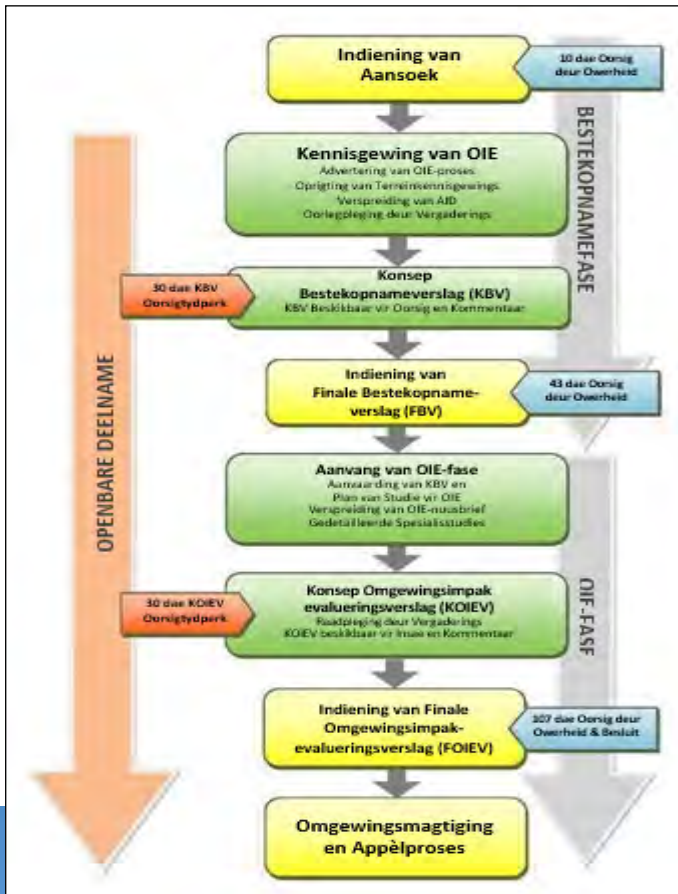
- aan die OIE- en BE-proses deelneem en uself op die projek se databasis registreer;
- enige ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of deur die beoogde projek geaffekteer word, in kennis stel van die OIE- en BE-proses en hulle aanmoedig om betrokke te raak; en
- toesien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

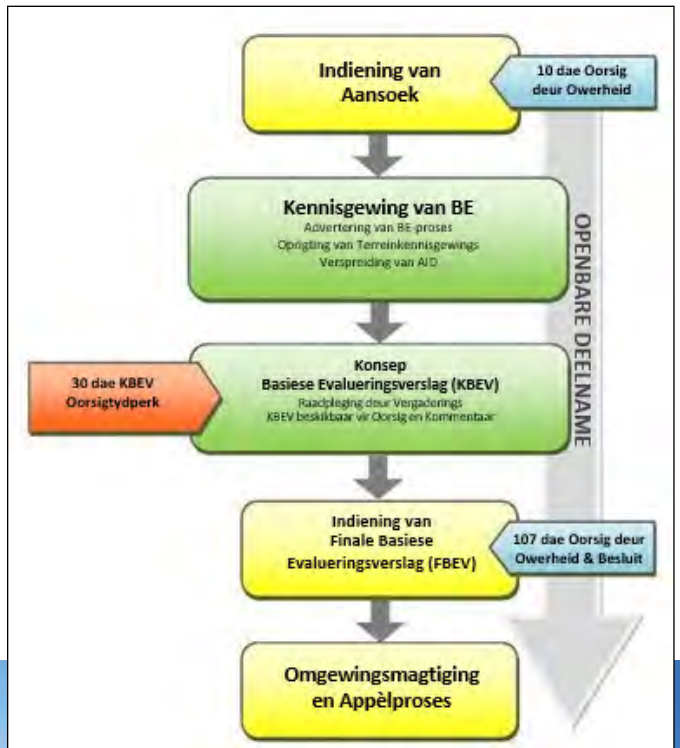
Ingevolge die OIE-regulasies, sluit ons verantwoordelikhede in die openbare raadplegingsproses in om toe te sien dat:

- 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 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: Hlengiwe Ntuli of Stephan Jacobs

Posbus 2921, RIVONIA, 2128

Tel: 011 798 0600

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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 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

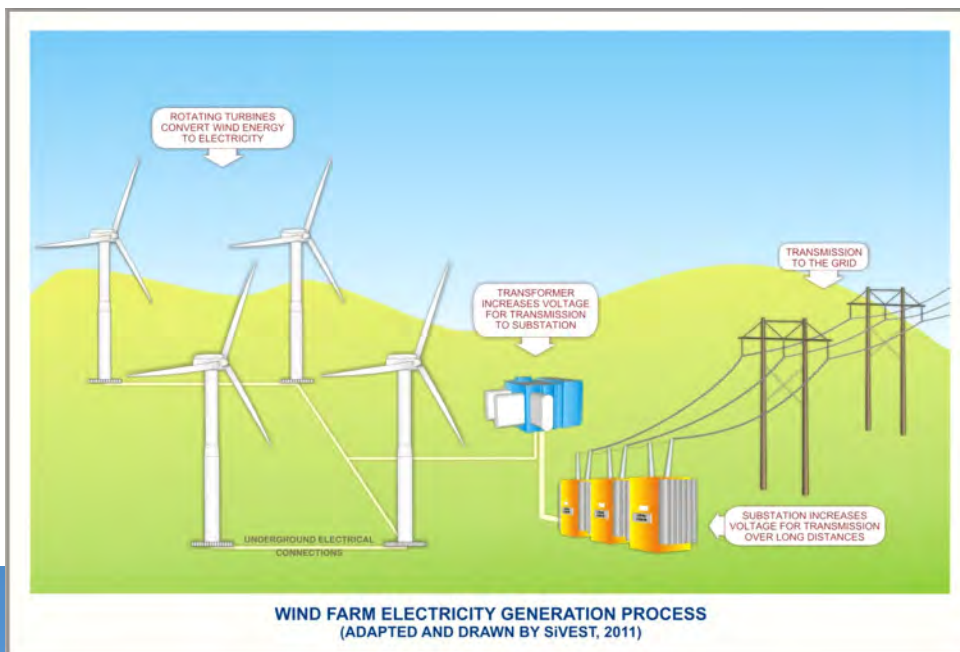
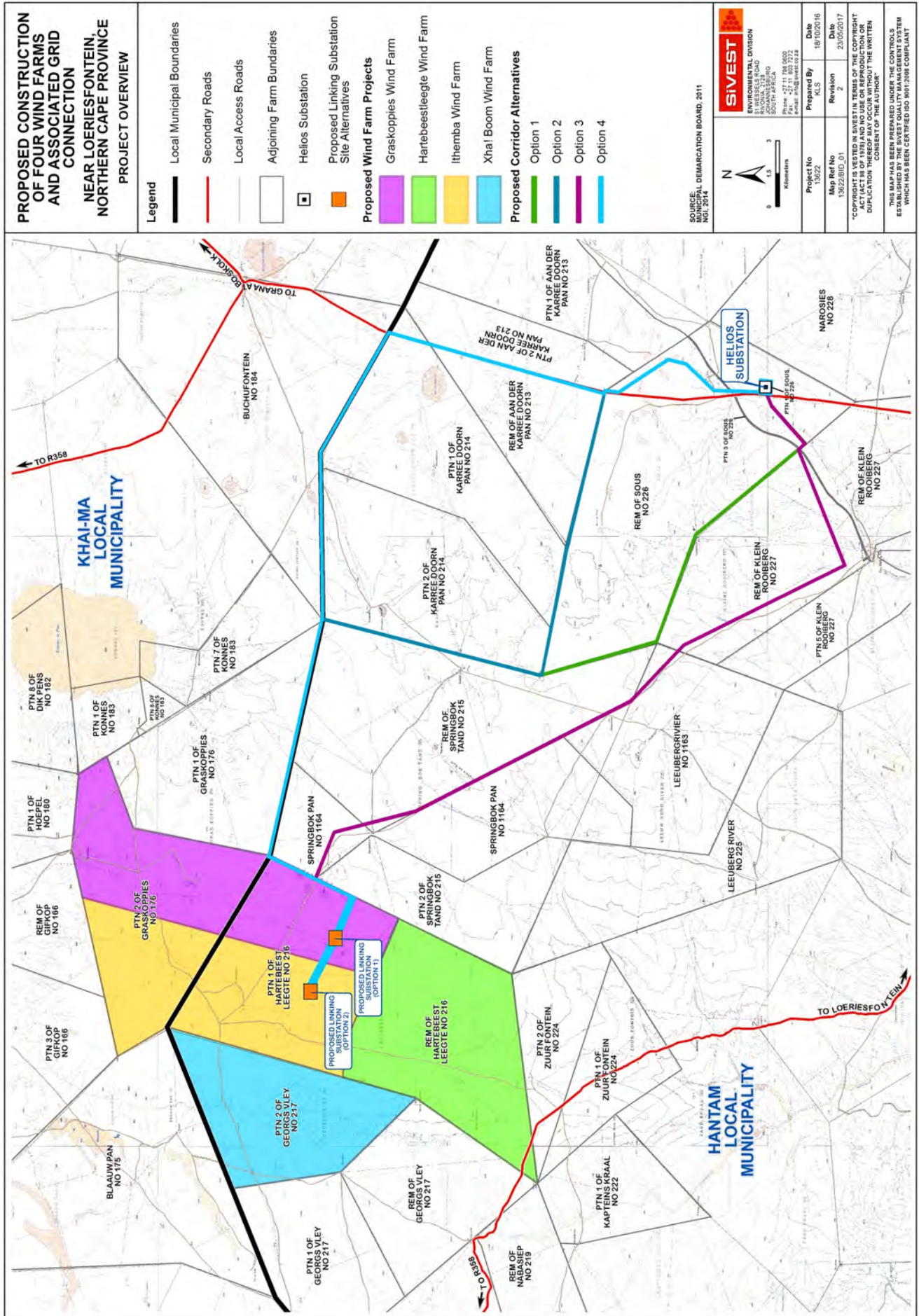


Figure 2: Locality Map



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).

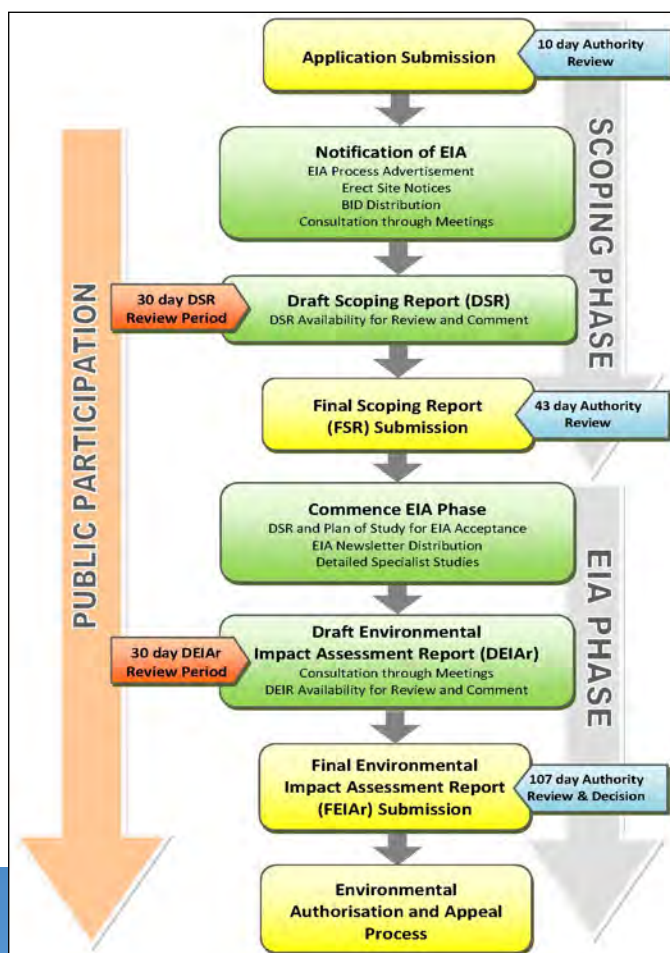
Environmental issues to be investigated during the EIA and BA

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:

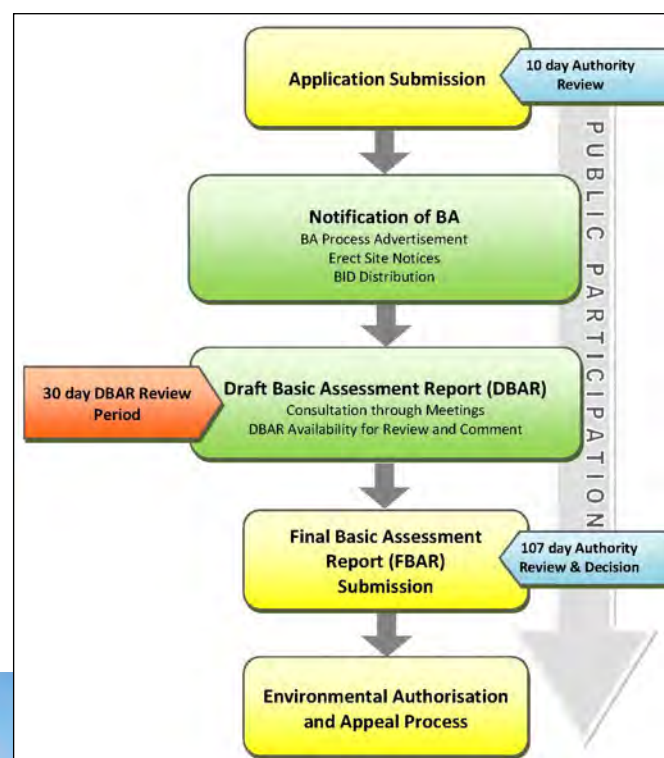
- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that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

Andrea Gibb

From: sivest_PPP
Sent: Wednesday, 21 June 2017 4:28 PM
Cc: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DSR Comment Period Starting

Categories: Leeuwberg

******* 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 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)

SiVEST SA (Pty) Ltd was previously appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Scoping Reports (DSRs) for the above mentioned wind farm projects will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day). Should you wish to receive an electronic copy of the DSRs (on CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

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

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

Attached is an English and Afrikaans letter notifying of the review period.



13622 Mainstream13622 Mainstream
DSR Notificat... DSR Notificat...

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 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)

Your reference:

Our reference: 13622

Date: 21 June 2017

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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

Hard copies of the DSRs can be reviewed at the following public place:

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

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

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

Kind Regards



Andrea Gibb

Senior Manager

SiVEST Environmental Division

U verwysing:

Ons verwysing: 13622

Datum: 21 Junie 2017

Geagte Belangstellende en/of Geaffekteerde Party

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE

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

Neem asseblief kennis dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. voorheen vir SiVEST SA (Edms.) Bpk. aangestel het as die Omgewingsevalueringspraktisyn (OEP) vir die bogenoemde projekte.

Ons maak graag van hierdie geleentheid gebruik om u in te lig dat die konsep Bestekopnameverslae (KBV's) vir die bogenoemde projekte, ingevolge die Nasionale Wet op Omgewingsbestuur (NEMA) (soos gewysig), vanaf **Woensdag, 21 Junie 2017 tot Vrydag, 21 Julie 2017** (teen sluitingstyd) beskikbaar sal wees vir openbare kommentaar en insae. As u 'n elektroniese kopie van die KBV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan soos volg ingedien word:

Hlengiwe Ntuli of Stephan Jacobs

Posbus 2921, RIVONIA, 2128
Telefoon: 011 798 0600
E-pos: hlengiwen@sivest.co.za / stephanj@sivest.co.za
Faks: 011 803 7272

Gedrukte kopieë van die KBV's kan by enige van die volgende openbare plekke nagegaan word:

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

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

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

Vriendelike groete



Andrea Gibb
Senior Bestuurder
SiVEST Omgewingsafdeling

Andrea Gibb

From: sivest_PPP
Sent: Wednesday, 21 June 2017 4:42 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'
Cc: 'Lizell Stroh'; 'Brian Fisher'; 'Moses Mahunonyane'; 'Ester Makungo'; 'Ntsundeni Ravhogoni'; 'Patrick Lenyibi'; 'Simon Gear'; 'Seoka Lekota'; 'Mmatlala Rabothata'; 'Heleen van den Heever'; 'Amanda Bester'; 'Nicole Abrahams'; 'Simpfiwe Masilela'; 'Johanna Morobane'; 'Hettie Buys'; 'Paul Avenant'; 'Madyo Sindisile'; 'Johan Koegelenberg'; 'Thulani Mthombeni'; 'Gert Steenkamp'; 'Adriaan Tiplady'; 'Natasha Higgitt'; 'Jaco Roelofse'; 'Jacoline Mans'; 'Sam Fiff'; 'Morgan Griffiths'; 'Henning Myburg'; 'John Geeringh'; 'Lourens Leeuwner'; 'Candice Spammer'; 'ceo@birdlife.org.za'; 'kmothomi@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'municipalmanager@hantam.gov.za'; 'munman@khaima.gov.za'; 'commonage@khaima.gov.za'; 'Jannie Loubser'; 'Madyo Sindisile'
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DSRs Available for Review
Categories: Leeuwberg

******* 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 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)**

SiVEST is in the process of undertaking the Environmental Impact Assessments (EIAs) for the proposed development of the above mentioned four (4) Mainstream Wind Farms near Loeriesfontein in the Northern Cape.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Scoping Reports (DSRs) will be made available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (before end of business day).

The DSRs as well as the accompanying appendices are available online (<http://www.sivest.co.za>) click on 'Downloads' and navigate to '13622 Mainstream Wind Farms' 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 **Friday 21 July 2017** (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

Kind Regards,

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



SIVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272
email andreas@sivest.co.za **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: sivist_PPP
Sent: Friday, 23 June 2017 1:21 PM
Cc: Andrea Gibb; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'; Stephan Jacobs
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DEA Reference Numbers
Categories: Leeuwberg

******* 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 Stakeholders

Kindly note that the Department of Environmental Affairs (DEA) have allocated the following reference numbers to the four proposed wind farms near Loeriesfontein:

- Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)
- Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)
- Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)
- Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)

Kind Regards

Geagte Belanghebbendes

Neem asseblief kennis dat die Departement van Omgewingsake (DO) die volgende verwysingsnommers toegewys het aan die vier beoogde windplase naby Loeriesfontein:

- Hartebeest Leegte Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1015)
- Ithemba Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1016)
- Graskoppies Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1017)
- Xha! Boom Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1018)

Vriendelike groete

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)

From: sivist_PPP
Sent: 19 June 2017 03:54 PM
Cc: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>; 'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>
Subject: Four Proposed Wind Farms near Loeriesfontein: Revised BID

******* 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 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.



13622 Mainstream Wind Farm Upd...



13622 Mainstream Wind Farm Upd...



13622 LEEUWBERG JU...



13622 LEEUWBERG 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 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 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 Omgewingsimpakevalueringprosesse (OIE-prosesse) vir die windplaasontwikkelings en die Basiese Evalueeringsprosesse (BE-prosesse) vir die gepaardgaande roosterkonneksies en 'n Agtergrondinligtingsdokument (AID) is aan hulle gestuur. Sedert hierdie skrywe was daar sekere veranderinge aan die beoogde ontwikkelings wat die volgende insluit:

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

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

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

Vriendelike groete

Kind Regards,

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

Environmental Practitioner and Visual Specialist

SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

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

email andreag@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)

sivest_PPP

From: sivest_PPP
Sent: 25 July 2017 10:20 AM
Cc: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; Hlengiwe Ntuli
Subject: RE: Four Proposed Mainstream Wind Farms near Loeriesfontein: DSR Comment Period Ended

Importance: High

Tracking:	Recipient	Delivery	Read
	Andrea Gibb	Delivered: 2017/07/25 10:20 AM	Read: 2017/07/25 11:58 PM
	Stephan Jacobs	Delivered: 2017/07/25 10:20 AM	Read: 2017/07/25 10:25 AM
	'rebecca.thomas@mainstreamrp.cc		
	Hlengiwe Ntuli	Delivered: 2017/07/25 10:20 AM	
	'Nicole Abrahams'		
	'Riana Lock'		
	'Simon Gear'		
	'Alwyn Louw'		
	'Ambrose Hector'		
	'Andre de Villiers'		
	'Adriaan Tiplady'		
	'Brian Fisher'		
	'Corne Botha'		
	'Braam Lintvelt'		
	'Bradley Gibbons'		
	'Koesie Nel'		
	'Brian Dreyer'		
	'Bertram Leukes'		
	'Cecilia Jaffer'		
	'Charl Jooste'		
	'Chris Fortuin'		
	'Aubrey Classen'		
	'Shaun Cloete'		
	'Dave Lucas'		
	'Deon Van der Westhuizen'		
	'Hermanus Nel'		
	'David Ockhuys'		
	'Samantha Ralston-Paton'		
	'Madyo Sindisile'		
	'Fred Versfeld'		
	'Sam Fiff'		
	'Francois van der Merwe'		
	'John Geeringh'		
	'Gert van der Walt'		
	'Gert Steenkamp'		

Recipient**Delivery****Read**

'Gert Steenkamp'
'Hannes Van Zyl'
'Hein Burden'
'Henning Myburg'
'Herman van Heerden'
'Hettie Buys'
'Hercule Le Roux'
'Noel Viljoen'
'Immanuel Smith'
'Jacoline Mans'
'Jannie Loubser'
'Jasper Nieuwoudt'
'Johanna Morobane'
'Joshua Engelbrecht'
'Johan Koegelenberg'
'Eddie Lennox'
'Lerato April'
'Belinda Farmer'
'Nico Louw'
'Lourens Leeuwner'
'Lambert Brand'
'Kate MacEwan'
'Madeleine Brandt'
'Moses Mahunonyane'
'Ester Makungo'
'Mashudu Marubini'
'W Grobler'
'Megan.'
'Mere Kgampe'
'Michelle Hartsliet'
'Theunis Kotze'
'Rosey Sekese'
'Morgan Griffiths'
'Lungile Motsisi'
'Mmatlala Rabothata'
'Nico Fourie'
'Natasha Higgitt'
'Joseph Nhlapo'
'Ntsundeni Ravhogoni'
'Simphiwe Masilela'
'Onwabile Ndzumo'
'Ono Naude'
'Gizella Opperman'

Recipient	Delivery	Read
'Paul Venter'		
'Paul Avenant'		
'Pheladi Masipa'		
'Patrick Lenyibi'		
'Quentin Aylward'		
'Aaron Lephalo'		
'Elias Mohapi'		
'Ishmael Mokhati'		
'Richwell Phale'		
'George Muller'		
'Harry Roberts'		
'Rochelle McPherson'		
'Jaco Roelofse'		
'Ronelle Visagie'		
'Hentie van Jaarsveld'		
'Siphelele Dunga'		
'Sustainable Energy & Climate Change Project'		
'Seoka Lekota'		
'Riaan Van Wyk'		
'Candice Spammer'		
'Tania Anderson'		
'Stephnie Kot'		
'Lizell Stroh'		
'Albie Louw'		
'Hermanus Louw'		
'Thoko Buthelezi'		
'Thoko Buthelezi'		
'Tsholo Leburu'		
'Thulani Mthombeni'		
'Heleen van den Heever'		
'Jonathan Visagie'		
'Amanda Bester'		
'Justine Wyngaardt'		
'kmotlhomi@ncpg.gov.za'		
'lefleurd@dws.gov.za'		
'ismith@namakwa-dm.gov.za'		

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Good Day Stakeholders,

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)**
- **Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)**
- **Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)**

Please note that the final day for comments on the raft Scoping Reports (DSRs) for the above mentioned wind farm projects ended **on Friday 21 July**.

This email serves as a reminder to please submit any comments by the close of business on the **27 July 2017 (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

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)

From: sivest_PPP

Sent: 21 June 2017 04:28 PM

Cc: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;

'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>

Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DSR 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

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS 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)**

SiVEST SA (Pty) Ltd was previously appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Scoping Reports (DSRs) for the above mentioned wind farm projects will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day. Should you wish to receive an electronic copy of the DSRs (on CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

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

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

Attached is an English and Afrikaans letter notifying of the review period.



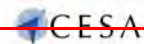
Kind Regards,

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

U verwysing:

Ons verwysing: 13622

Datum: 04 Augustus 2017

Geagte Belangstellende en/of Geaffekteerde Party

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE
NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

- Graskoppies Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1017)
- Xha! Boom Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1018)
- Hartebeest Leegte Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1015)
- Ithemba Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1016)

• **INDIENING VAN DIE FINALE BESTEKOPNAMEVERSLAE BY DIE DEPARTEMENT VAN OMGEWINGSAKE**

Na aanleiding van die kommentaar deur die openbare oorsigtydperk van die Konsep Bestekopnameverslae vir die bogenoemde projekte van Woensdag 21 Junie 2017 tot Vrydag 21 Julie 2017 (teen sluitingstyd) was die Konsep Bestekopnameverslae bygewerk en gefinaliseer, met inagneming van die kwessies en kommentaar wat deur belanghebbendes opgewek was, en die Finale Bestekopnameverslae was op Vrydag 04 Augustus 2017 aan die Departement van Omgewingsake (DO) ingedien vir oorweging.

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

As u 'n elektroniese kopie van die Finale Bestekopnameverslae (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan soos volg ingedien word:

Hlengiwe Ntuli of Stephan Jacobs

Posbus 2921, RIVONIA, 2128
Telefoon: 011 798 0600
E-pos: hlengiwen@sivest.co.za / stephanj@sivest.co.za
Faks: 011 803 7272

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

Vriendelike groete



Andrea Gibb
Senior Bestuurder
SiVEST Omgewingsafdeling

Your reference:

Our reference: 13622

Date: 04 August 2017

Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)
- Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)
- Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)
- Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)

• **SUBMISSION OF FINAL SCOPING REPORTS TO THE DEPARTMENT OF ENVIRONMENTAL AFFAIRS**

Following the public comment and review period of the Draft Scoping Reports (DSRs) for the above-mentioned projects from Wednesday the 21st of June 2017 to Friday the 21st of July 2017 (end of business day) the DSRs were updated, taking into consideration the issues and concerns raised by stakeholders, and the Final Scoping Reports (FSRs) were submitted to the Department of Environmental Affairs (DEA) on Friday the 4th of August 2017.

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

Should you wish to receive an electronic copy of the FSRs (on CD) please forward your request in writing to us. Comments can be submitted as follows:

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

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

Kind Regards



Andrea Gibb

Senior Manager

SiVEST Environmental Division

Stephan Jacobs

From: sivest_PPP
Sent: Friday, August 4, 2017 2:16 PM
Cc: Andrea Gibb; Stephan Jacobs; Hlengiwe Ntuli; 'Nicolene Venter'; 'rebecca.thomas@mainstreamrp.com'
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR 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

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)**
- **Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)**
- **Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)**

• SUBMISSION OF FINAL SCOPING REPORTS TO DEPARTMENT OF ENVIRONMENTAL AFFAIRS

Following the public comment and review period of the Draft Scoping Reports (DSRs) for the above-mentioned projects from Wednesday the 21st of June 2017 to Friday the 21st of July 2017 (end of business day) the DSRs were updated, taking into consideration the issues and concerns raised by stakeholders, and the Final Scoping Reports (FSRs) were submitted to the Department of Environmental Affairs (DEA) on Friday the 4th of August 2017.

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

Should you wish to receive an electronic copy of the FSRs (on CD) please forward your request in writing to us. Comments can be submitted as follows:

Hlengiwe Ntuli or Stephan Jacobs

PO Box 2921, RIVONIA, 2128

Phone: (011) 798 0600

E-mail: hlengiw@zivest.co.za / stephanj@zivest.co.za

Fax: (011) 803 7272

We would like to thank you for your active and meaningful contribution to the EIA and Public Participation Process.

Kind Regards,

Onderwerp: Vier voorgestelde Mianstream Windplase naby Loeriesfontein: FBV Komentaar Periode Begin

Geagte Belangstellende en/of Geaffekteerde Party

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE

- **Graskoppies Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1017)**

- **Xha! Boom Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1015)**
- **Ithemba Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1016)**

• **INDIENING VAN DIE FINALE BESTEKOPNAMEVERSLAE BY DIE DEPARTEMENT VAN OMGEWINGSAKE**

Na aanleiding van die kommentaar deur die openbare oorsigtydperk van die Konsep Bestekopnameverslae vir die bogenoemde projekte van Woensdag 21 Junie 2017 tot Vrydag 21 Julie 2017 (teen sluitingstyd) was die Konsep Bestekopnameverslae bygewerk en gefinaliseer, met inagneming van die kwessies en kommentaar wat deur belanghebbendes opgewek was, en die Finale Bestekopnameverslae was op Vrydag 04 Augustus 2017 aan die Departement van Omgewingsake (DO) ingedien vir oorweging.

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

As u 'n elektroniese kopie van die Finale Bestekopnameverslae (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan soos volg ingedien word:

Hlengiwe Ntuli of Stephan Jacobs

Posbus 2921, RIVONIA, 2128

Telefoon: 011 798 0600

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

Faks: 011 803 7272

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

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 andreag@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: Stephan Jacobs
Sent: Monday, August 28, 2017 3:30 PM
To: 'vchauke@environment.gov.za'
Cc: Andrea Gibb; Hlengiwe Ntuli
Subject: 13622 Mainstream Wind Farms Near Loeriesfontein - Acknowledgement of Receipt Letters Outstanding
Attachments: 20170807 DEA Acknowledgment of Receipt of FSR HL.pdf
Importance: High

Good Afternoon Mr. Chauke,

My company (SiVEST) has been appointed as the Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment (EIA) processes for the proposed development of four (4) wind farms and associated infrastructure near Loeriesfontein in the Northern Cape province. The wind farms are referred to as the Graskoppies (**DEA Ref No.: 14/12/16/3/3/2/1017**), Hartebeest Leegte (**DEA Ref No.: 14/12/16/3/3/2/1015**), Ithemba (**DEA Ref No.: 14/12/16/3/3/2/1016**) and Xha! Boom (**DEA Ref No.: 14/12/16/3/3/2/1018**) Wind Farms respectively.

The Final Scoping Reports (FSRs) for the above-mentioned projects were submitted to the DEA on the 4th of August 2017. However, as discussed, SiVEST have only received an Acknowledgement of Receipt Letter (see attached) for the Hartebeest Leegte Wind Farm (**DEA Ref No.: 14/12/16/3/3/2/1015**). We have not yet received anything for the other three (3) proposed wind farms (i.e. Graskoppies - **14/12/16/3/3/2/1017**; Ithemba - **14/12/16/3/3/2/1016** and Xha! Boom - **14/12/16/3/3/2/1018**).

As such, please can you investigate this for us and advise why the acknowledgement of receipt letters for the other three (3) proposed wind farms (Graskoppies, Ithemba and Xha! Boom) have not yet been issued.

Your urgent response will be greatly appreciated.

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 cell +27 72 737 2114
email stephaj@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)

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:Mixted 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.


<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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<input type="checkbox"/>	Registered Letter	13622
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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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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
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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 (DEIAs) 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 - Leeuwborg

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

DATE: Tuesday, 31 October 2017

TIME: 14h30 – 15h30

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

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

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

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

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

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

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

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

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

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

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

Yours sincerely,

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

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Documents attached: Draft Agenda
Registration Form

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

Your reference:

Our reference: 13622 - Leeuwborg

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
!themba 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 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

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

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

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

PROJEKTESKRYWING

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

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

PROJEKLISSING

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

BESKIKBAARHEID VAN DIE KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE

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

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

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

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

Hlengiwe Ntuli or Stephan Jacobs	
SiVEST Environmental Posbus 2921 RIVONIA 2128	Telefoon: 011 798 0600 Faks: 011 803 7272 E-pos: hlengiw@zivest.co.za of stephanj@zivest.co.za Webwerf: www.sivest.co.za

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

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

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

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

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

AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

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

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

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

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

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



BOERNEEF HERLEEF

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

OUMA NORTJÉ

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

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

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

In 1986 skep Louis van Rensburg die ikoniese lied Voshaarnooi deur drie van Boerneef se gedigte te kombineer en te toonset. Voshaarnooi word gebruik as 'n temalied vir die televisiereeks Ballade vir 'n Enkeling.

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

Flennie die Snare word aangebied met die ruim ondersteuning van die Innibos Laeveldse Nasionale Kunstefees.

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

INNIBOS KUNSTEFEEES NA 50 JAAR

Boerneef Flennie die snare in 2017

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

Boerneef se eerste skryftaak (onder sy regte naam) was om saam met professor D.B. Bosman (en later ook L.W. Hiemstra) 'n Tweetalige Woordboek vir Engels en Afrikaans saam te stel, wat dan ook die standaardwerk op hierdie gebied word (eerste uitgawe in 1936 en daarna telkens hersien en aangevul). Tussen 1922 en 1961 was hy 'n dosent en later 'n professor in Afrikaans en Nederlands aan die Universiteit van Kaapstad.

Boerneef was 'n woordkunsenaar wat taal soos 'n instrument hanteer het, en ontvang hy in 1963 postuum die Hertzog-prys vir poësie.

DRAWERS

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

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

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

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



SIVEST
Environmental Division



Gestig in 1952

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

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

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

PROJEKTESKRYWING

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

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

PROJEKLISSING

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

BESKIKBAARHEID VAN DIE KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE

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

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

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

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

Hlengiwe Ntull or Stephan Jacobs	
SIVEST Environmental Posbus 2921 RIVONIA 2128	Telefoon: 011 798 0600 Faks: 011 803 7272 E-pos: hlengiwen@sivest.co.za of stephanj@sivest.co.za Webwerf: www.sivest.co.za

HANTAM MUNISIPALITEIT VAKATURES ALGEMENE ARBEIDERS

CALVINIA X 3

(VERWYSINGSNOMMER - 13/2017)

BRANDVLEI X 3

(VERWYSINGSNOMMER - 14/2017)

LOERIESFONTEIN X 2

(VERWYSINGSNOMMER - 15/2017)

NIEUWOUDTVILLE X 3

(VERWYSINGSNOMMER - 16/2017)

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

VEREISTES:

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

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

VERANTWOORDELIKHEDE:

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

STANDPLAAS: Bogenoemde dorpe.

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

SLUITINGSdatum: 30 Junie 2017

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

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

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

Mnr. Riaan van Wyk Hantam Munisipaliteit
Tel: 027 341 8500 Hoopstraat 20
Faks: 027 341 8501 Privaat sak X14
Epos: municipalmanager@hantam.gov.za Calvinia 8190

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

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

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

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

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

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

Municipal Offices
Private Bag X14
CALVINIA 8190

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

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

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

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

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ADMINISTREER 240 STUDIEFONDSE

Helpende Hand se R40 miljoen

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

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

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

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

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

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

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

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

**NOORDWESTER
UITGEWERS**

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

NOORDWESTER UITGEWERS

Drukkers van Naam op Calvinia

SKRYFBEHOEFTE HANDELAARS

FOON 027 341 1026

FAKS 027 341 1686

E-pos:

noordwester@hantam.co.za

SIVEST
Environmental Division



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

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

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

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

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

AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

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

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

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

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

Hlangiwe Ntull or Stephan Jacobs

SIVEST Environmental
P O Box 2921
RIVONIA
2128
Tel: 011 798 0600
Fax: 011 803 7272
E-mail: hlangiwen@sivest.co.za or stephanj@sivest.co.za
Website: www.sivest.co.za

**HANTAM MUNISIPALITEIT
VAKATURES
ALGEMENE ARBEIDER**

ROMAN X 1

(VERWYSINGSNOMMER - 17/2017)

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

VEREISTES:

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

- > Minimum Graad 10
- > Kennis van basiese arbeidswerk en algemene onderhouddswerke.
- > Tegnieese agtergrond
- > Goeie gesondheid.
- > Vermoë om in uiterste weersomstandighede te kan werk.

VERANTWOORDELIKHEDE:

- > Daaglikse water pomp na Brandvlei.
- > Instandhouding van dieselmotorsjens en pompe.
- > Masjienkamers en masjiene netjies hou.
- > Water, watervlakke en diesilverbruik monitor en le-sings hou.

STANDPLAAS: Roman

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

SLUITINGSdatum: 30 Junie 2017

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

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

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

Mnr. Riaan van Wyk
Tel: 027 341 8500
Faks: 027 341 8501
Epos: municipalmanager@hantam.gov.za Calvinia 8190

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

Land Owners:**1. Albie and Gene Louw , Hartebeest Leegte No 216****Farm size: 5100**

Used for commercial livestock (sheep) farming, extensive grazing. Type of sheep: Dorpers.

No-one currently resides on the property (it is a summer rainfall farm, sheep are moved there in summer)

Currently no workers employed on that particular farm. (1/2 worker temporarily employed for sheering on that farm, but permanently employed by owners)

Currently no workers live on that farm.

Currently no family members of workers live on that farm.

Monthly income per labourer is R3500.

Main income derived from sheep farming.

Average annual revenue from that farm: R500 000. (500 sheep x R1000)

Main concerns during construction phase:

- The farm is almost only grass, so not too worried about grass, it grows back quickly, but the destruction of the veld and shrubs are a concern because these do not recover fast and they are the primary source of
- During the building process sheep will have to be moved to another farm, which will be rented. There is not much farmland available for rent in the area.
- Water in the area is very scarce, so there is a worry about where water will be sourced from during the construction phase.

Main concerns post-construction/operational phase:

- Albie joked that the sheep will probably be happy to lie in the shade off the wind turbines
- Not concerned about visual impact, the turbines are beautiful
- Economic benefits for the farm and the town, there are more opportunities than before, there is more money in circulation, poverty has been slightly alleviated. After the wind farms break even (9 years), 5% of profits will go to the Loeriesfontein community. The community is already benefitting through increased employment figures, higher income and more spending power.
- There is a concern that the little town's population is increasing.
- There needs to be a grant for young mothers to support their children
- The government provided housing for 310 residents, they installed baths not showers, so during water restrictions, people fill their baths with water. This is problematic as there is not enough water.

2. Hein Burden, Portion 2 of Farm Georgs Vley No 127.

Farm size: +/-13000 ha (Georgs Vley plus neighbouring farms) George Vley is 3000ha

Used for commercial livestock (sheep) farming, extensive grazing. Type of Sheep: mainly Dorpers.

Hein, his wife and child permanently live on the farm. There are also (Hein rents the farms from his mother Marie M. Burden).

2 permanent workers living on the farm. One of which (long time employee) lives there with his wife and 2 children. The other worker's family live in Loeriesfontein, but he is still young without wife and children.

Temporary employment on the particular farm is 6 months, but his permanent employees do that work and then work on his other farms.

Monthly income per worker is R2400 for the newer worker, R3000 for the long-time employee. The employees also get free food and lodging.

Main income derived from sheep farming.

Average annual revenue from that farm: R1 400 000. (1400 units or sheep x R1000)

Main concerns during construction phase:

- Worried about the destruction of the bossie veld (shrubs) because these do not recover fast and they are the primary source of food for the sheep. Grass is not a problem as it recovers fast.
- Not worried of construction impacting the family and workers as the construction site is 14km from homestead/farm house.
- The construction company will have to discuss and agree on the path they will drive over the farm early on and stick to this to create minimal veld destruction.
- During the construction phase, 200 sheep will have to be moved to another farm, which will need to be rented. Compensation for this needed. There is a concern that there will be a shortage of available grazing land if all farmers will have to move their sheep.
- Water in the area is very scarce, so there is a worry about where water will be sourced from during the construction phase.
- No jobs would be lost during construction phase.
- Not concerned with other developments in the area as long as they do not affect his daily operations.
- Not sure where construction company gets water.
- Not concerned about construction workers. They prefer to live in town (Loeriesfontein), but will be concerned should anything happen to veld, water and sheep.
- Mainstream has tried to employ locals, but they prefer to "loaf". There is a lack of personal drive in many locals. This is a pity. Even little kids smoke tik.

Main concerns post-construction/operational phase:

- Hoped that maybe the wind turbines would scare away the jackals, as on average 200 sheep are lost to jackals per year.
- However, based on what other farmers have said, jackals quickly get used to the turbines.

3. Nico Louw.

Farm size: 5400 ha (Portion 2 of the Farm Graskoppies No 176)

Used for commercial livestock (sheep) farming, extensive grazing. Type of sheep: Meat Masters.

Family resides on the farm seasonally during summer rainfall time.

2 permanent workers who live on the farm. One of which lives there with his wife.

Monthly income per worker is R 3300, they also get some food (meat) and lodging.

Main income not derived from sheep farming, but date farming.

Average annual revenue from that farm: ranging between R90-R100 per ha (so close to R 500 000).
700 – 800 sheep on farm.

Main concerns during construction phase:

- Worried about criminal activities on the farm during construction phase (stock theft).
- The Sishen-Saldanha railway has increased stock theft by 100 fold.
- 50% fewer sheep will have to be moved from the farm in order to avoid the workers.
- Will have to rent other land during construction phase.
- No employment would be lost.
- Water is a problem in general in the area.

Other concerns or comments:

- Economic impact has been positive for Loeriesfontein based on other projects currently in progress.
- Gross profits have doubled and all businesses are doing much better.
- The dirt roads are actually also in much better condition. The tar road between Loeriesfontein and Nieuwoudtville is a bit worse. (I drove this road and it looked good)
- Social problems in town (Loeriesfontein) are very bad. The coloured women of the town provide “pleasures” to the construction workers who live on the town. It is becoming a norm. The same thing happened when French construction workers came to work on the Sishen-Saldanha railway. There were many pregnancies in those days and the offspring were and still are commonly referred to as ‘bastards’ – a term that is commonly used to describe descendants of European settlers and indigenous African women. (Though this term may sound discriminatory there is more complex history behind it and the ‘bastards’ proudly refer to themselves as such).
- There is a low standard of living for the coloured community in the town. Even though the town is better off economically, there is less work for the Loeriesfontein community, because of alcohol and drug abuse. (Tik).

4. Dr Nel (father of Hermanus Adriaan Nel)

Farm size: 5400 – 6000 ha (Remainder of farm Hartebeest Leegte No 216.)

Used for commercial livestock (sheep) farming, extensive grazing. Type of sheep: mainly Wit Dorpers, some Merinos.

Family does not reside on the farm, but rents out the farm and sheep to neighbour, Albie Louw.

Workers periodically live on farm during sheering season. However, as per the current rent agreement, Dr Nel employs no workers. All workers on the farm will be Albie's.

Main income is derived from the renting out sheep and land.

Average annual revenue from rental of this specific farm: R183 333

Main concerns during construction phase:

- Must be compensated for all operational losses during construction phase
- Losses will be proportionate to the rental income forfeited for the proportion of land (grazing surface) that is converted to road and construction site, or for all land that cannot be used for farming during construction phase. If Albie has to move sheep to another farm, then compensation for lost the rental income will be necessary.
- Construction company must ensure that minimal damage is done to the veld and that roads, etc. are set up as practically as possible, without infringing on existing infrastructure (fences, farm gates, water pipes, water installations, windmills, etc.).
- All proposed roads through the farm need to be discussed with and approved by Dr Nel before they are built.
- Care must be taken by construction workers not to do unnecessary damage to existing infrastructure and veld.
- Where operations interrupt farming, the construction company must take care to move water reservoir, fencing, wiring, feeding lot, etc., so that farming can continue with minimal interruption.
- Dust needs to be controlled as sheep, especially the Merinos, will be affected by this.

Grid and Neighbours

1. Koosie Nel (telephonic interview),

Farm size: 6000 ha (Portion 1 of the Farm Graskoppies No 176)

Used for commercial livestock (sheep) farming, extensive grazing. Type of sheep: Meat Masters.

Family resides on the farm seasonally during summer rainfall time (lives there on average 8 months a year)

1 permanent workers who lives on the farm his wife and children sometimes visit but live in Loeriesfontein.

Monthly income per worker is R 3000, and free lodging.

Main income is derived from sheep farming.

Average annual revenue from that farm: around R 500 000. 700 ewes on farm.

Main concerns during construction phase: Short term concerns

- Destruction of the veld. Grazing is food.
- Adequate compensation for loss of grazing area is a concern.
- Stock theft is a concern.
- Sheep would need to be moved during construction phase, other farmland will need to be rented.
- Construction company must keep farmers well informed of their plans, operations and movements. Keep them in the know and always get approval from farmers regarding where they plan to set things up.

Concerns post- construction: Long term

- Concern about power cables being set up in close proximity to the existing infrastructure: avoid dams, windmill, and preferably power cables should be far from main house.

2. Gert Johannes Lombard (father of Frans Lombard). “Gys & Margerite”

Farm size: 6621 ha (Portion 1 of 214 and Portion 1 of Konnes No 183 and Portion 8 of Dik Pens N 182)

Used for commercial livestock (sheep) farming, extensive grazing. Type of sheep: mainly Dorpers

Family resides on the farm seasonally during summer rainfall time.

2 permanent male workers who live on the farm. Their families sometimes visit, but live in Loeriesfontein.

Monthly income per worker is R 6000.

Main income is derived from sheep farming.

Average annual revenue from that farm: around R 600 000. 600 ewes on farm.

Main concerns during construction phase: (Short term concerns) See maps!

- Traffic and dust from passing construction vehicles is a big concern for **Portion 1 of the farm Konnes No 183**. The current road servicing the farm is frequented only by neighbouring farmers. It is a small quiet road that is not wide enough for two construction vehicles to drive side-by-side. The existing road directly passes the farm house (80m away) as well as the wind mill and the water reservoir which services all sheep on that farm. The road will have to be moved further away from farmstead as it will have a direct negative effect on the farming operations and the residents. Furthermore, re-routing the road will lead to destruction of veld, for which compensation will be necessary. The road’s re-routing must be done via prior consultation with the owner. The owner will also need to be adequately compensated for the operational changes he will have to make, which includes potentially moving the reservoir and windmill, re-arranging and thus re-fencing the existing sheep grazing areas. The road will have to be sprayed by **Ekit** to control the dust as it will severely impact the homestead and farming operations.
- Adequate compensation for loss of grazing area is a concern.
- Sheep would need to be moved during construction phase, other veld will need to be hired.
- Construction company must keep owner well informed of their plans, operations and movements. Keep them in the know and always get approval from owner regarding where they plan to set things up.

Concerns post- construction: (Long term) See maps!

- On **Rem of Aan Karree Doorn Pan No 213** and **Portion 1 of farm Karree Doorn Pan No 214** , there is an additional worry of power cables linking graspkoppies wind farm to Helios Substation going directly through these two farms. This would cause not only and short term, but a long term operational and infrastructural obstacle, as the power cables would be set up in close proximity to the existing infrastructure: dams, windmill, and preferably power cables should be far from main house.

Community Members:

1. Alwyn Muller, Lawyer, Loeriesfontein

What has been the economic and social impact of the Loeriesfontein/Khobab wind farms on the town? Economic benefit goes hand in hand with social decline.

- The social impact on the coloured community has been immense:
 - Drug and alcohol abuse have increased significantly.
 - There are 40 Polish workers on the Loeriesfontein wind farm site and they are a rough bunch. They pay the school girls.
 - There have so far been about 3 unwanted teenage pregnancies. School children are prostituting themselves.
 - Drug related crimes, and domestic violence have increased. The construction workers work hard and live hard.
 - The post-construction phase is worrying, because the workers will be left without jobs and there will be less income spent locally, so it would be beneficial to continue with more projects.
 - Littering has increased along the roads due to influx of people looking for jobs and a general lack of education on littering.
 - Casual labour should decrease but it has increased due to the fact that extensive farming is not labour intensive. Unemployment is a problem in Loeriesfontein and neighbouring towns, Calvinia and Brandvlei.

- Economic Impact has been immense too, but overall more positive for the local community:
 - The town has always been dependent on income from extensive farming and the farms are getting bigger in order to achieve economies of scale. An economic unit of farming is 5000 ha. But this farming is not at all labour intensive and if size of farm doubles, employment does not double, it stays about the same.
 - The salt and gypsum (salt and calcium) industries are the only other source of work in the area. 80% of the world's gypsum reserves lie just outside of Loeriesfontein. However, it only gets mined there, not processed. Gypsum mining is highly mechanised. A mine only employs about 10 workers. If a tax were placed on exporting raw gypsum to other provinces, more of it would be processed locally which would be a source of local jobs.
 - The salt pans at Dwaggas Pit currently employs around 30 permanent workers. If the government were to tax unprocessed goods leaving the province, more of the economic benefit would be felt locally. There is a salt packaging factory in the neighbouring town, Brandvlei that is employing local women. This should be an example of the job creation potential of local processing.
 - Furthermore, there is a date packaging business in Loeriesfontein itself. 1000 trees 50km outside of town. Packaging provides seasonal work for 40 women during packing season. Special packaging for export. This is a sustainable business, but need to look into more permanent employment.
 - Nieuwoudtville has a tea packaging factory that has led to increased employment.
 - About 80% of construction workers are from out of town, of these, about 80% prefer to stay in the town rather than on the construction site, they spend their income in the town, so they rent garages from locals.

- In Loeriesfontein, the informal hospitality industry is booming as a result of the construction workers needing accommodation in town. Everyone has made their garage and back yards available for rent. Hope to continue the boom via the tourism industry. Worrying though that when all the foreign workers leave there will be an oversupply of accommodation and a drop in income.
- Garage/fuel sales and grocery store sales have tripled.
- There has however also been an increase in liquor licences which is a real worry. There are about 10 licenced stores in the town.
- The Wind Mill Museum in Loeriesfontein is 20 years old and is the only one in the country. It has seen 4000 visitors in the last year. The new wind farms have also put Loeriesfontein on the map.
- There are many entrepreneurial activities. i.e. Taxis driving workers to the construction site, cleaning service, etc.
- Informal trading has increased, but this is a good thing for income and job creation.
- However, the only tar road out of town, linking Loeriesfontein and Nieuwoudtville is deteriorating rapidly due to increased heavy load traffic. It was tarred for low frequency traffic.
- 5% of wind farm revenue should go back to town, but not sure how this will be done practically.
- Potential project is Solar Capital photovoltaic solar energy project. 70MW has been approved, but no news on this yet.

2. Maria Husselman, owner of the local crèche looking after children from few months to 5 years. Linked to Early Childhood Resource Unit and Department of Social Development.

- Currently the crèche is running at full capacity, actually doesn't have enough capacity. 18 children, 2 mornings a week. Desperately need funding to expand.
- Provide stimulation and development to these children, offer a healthy snack (fruit, soup, mielie pap)
- There has been a massive decline in social development recently
- The Poles are not welcome here, their reputation with young girls preceded them
- They (the construction workers) impregnate the young girls, and then when the construction project is done they leave and the young girls are left with their babies
- The girls are looking for excitement and a party, so they go to the construction workers living in town, get free party, alcohol, drugs, they don't care what happens to them when in that state.
- The Poles don't like to stay on the construction site because the girls cannot visit them there
- Want to start a Centre for Drug and Alcohol Abuse, a remedial intervention and awareness centre. There is a dire need for it here. Need funding.

3. Hendrika Skeepers, domestic helper of Maria Husselman

- A minority of workers from Loeriesfontein are employed on the construction projects
- Hendrika's husband is employed on the construction project (the Loeriesfontein/Khobab Murray and Roberts project). He works on construction safety. Good workers are valued and trained.
- There are different phases of construction: working the terrain, foundations, wind poles (what is correct terminology?), wind blades, power cables. The Poles work on the power cables.
- But there were years where Loeriesfontein people were without employment, the wind projects have provided opportunities.
- The workers are tested for alcohol twice a week. If they have 3 positive tests for alcohol (breathalyser) they lose their jobs
- The local workers who lost their jobs went on strike in May 2016, they blocked the main road so no one could get in or out of town. Rocks were thrown at passing cars.
- The police riot unit were called in to stop the strike. They set off one stun grenade and the protesters dispersed in fear.
- Some of the local contract workers are angry with the poles and the black workers coming in from elsewhere and taking their jobs
- Spar is very expensive but there is no alternative, some people go to Vredendal to shop on weekends. There is a shuttle (I think Murray and Roberts provides this)
- Contract workers who have come in are an evil to the town, they bring their tablets, their cell phones and their "nice times", the young girls cannot resist
- Teen pregnancies are on the rise
- Even mothers with small children "rinkink", or are gallivanting, and neglect their own children
- There has been an increase in alcohol syndrome in babies
- And when the parents drink, their children follow suit, they have no guidance
- Even when parents are clean and have no alcohol problems it is very difficult to keep their children on the right track. Difficult to say no when there is peer pressure, and there is always temptation, it is constantly in your face. The workers are always flirting with the young girls.
- There is a tavern in the community area close to the sport field and their houses. This is where the workers hang out. It was a mistake to grant the liquor licence there.
- The poles and black men hang out there, and they have money, young people are so easily influenced. The poles have only been here 3 months but they already have a reputation. Their reputation preceded them.
- There was a white woman who petitioned that the Poles shouldn't come to the town before they even arrived, because of the reputation they had gained elsewhere.
- There are enough evils in the community, and now the town will never be the same.
- There are no social workers here, this is a dire concern.
- The drugs used include tik, dagga, mandrax.
- Children take them from as young as 9 years old.
- Hendrika's own son is in jail for drugs. And has been involved in domestic violence.
- The drugs are so bad, those whose use them reach a point where they lose themselves completely and there is no support from a social worker in town.
- Many children have to leave school at a young age because of drugs.
- Pocket money gets spent on drugs.

- There is too much stress in the community
- Really need a centre for drug and alcohol abuse, awareness, rehabilitation, and skills development
- The church pastor is very involved and also helps out at the school, but he cannot give enough individual attention (try speak to **Mnr Kotze of Church and Mr Jacques Klaaste** of School)
- These are the circumstances, but we are receiving no help to combat these ills
- We don't want to see our community like this

4. Victor Haupt, owner/founder of the Spar. (contact number: 071 246 2129)

- The construction brought in 40 young Poles, young men
- They earn lots of money, so what happens on weekends is there is nothing to do in the town (so they throw parties, invite the young girls, or the young girls com of their own volition)
- But the impact of the wind farms has been more positive than negative
- Can't expect there won't be negatives
- The social problems in this town come from a long time ago, it's nothing new, just happening on a bigger scale. What can one do?
- Form both sides, people are people. You cannot prevent it.
- Tiaan, the Spar store manager, is trying to employ locals, but then they get pregnant.
- The windfarms are a godsend, the money that has bene injected into the little town, into the school, the roads, has made a huge difference
- There has been no increase in crime/robberies, etc.
- The dirt road to the Loeriesfontein/Khobab site is constantly maintained, which is a good thing, but it would have been better just to tar it from the start, easier to maintain
- The increase in traffic between 5-7pm is actually nice, because things were so quiet here before
- The tar road to Nieuwoudtville needs to be maintained again, because of the heavy loads, but it is in better condition that it was a few years ago.
- The construction companies pay workers on a fortnightly or monthly basis (every 25th day of the month)
- There is not enough work in general, but at the moment, for every person that want to work, there is work. There are new opportunities.
- But the EFF was stirring trouble here just before the elections, initiating protest action amongst the coloured community, to demand higher wages. It disappeared after the elections.
- About 100-150 Loeriesfontein locals are employed on the wind project.
- A man was caught this morning with a big bag of dagga. It's a big problem, but it has always been a problem, it has just grown from a teaspoon of sugar to a bag of sugar.
- There are social problems, but they have always been there. The pub has a big screen. Sport attracts a party.
- In the post construction phase 5% of profits should go back to the town
- The town won't be what it was when the construction is over, but there are new projects coming so it's not yet a worry. And you can see the impact now already, the town is looking better, the walls have all been painted.
- Anyone who wants to can make an opportunity of it
- Everyone has water between 6-9pm, the water truck runs constantly between towns.
- 4 or 5 new boreholes are being constructed and will supply Loeriesfontein with water

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

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

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CLOG/DFAC/R/401/1/3/11/3

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Enquiries: Lt Col J.H.J. Potgieter

Department of Defence
Logistics Division
(Directorate Facilities)
Private Bag X319
Pretoria
0001

14 August 2017

South Africa Mainstream Renewable Power Developments (Pty) Ltd
4th Floor, Mariendahl House
Newlands on Main
Corner Main & Campground Roads
Claremont
CAPE TOWN
7708
South Africa

Dear Ms Mercia Grimbeek

LETTER OF NO OBJECTION: INTENDED ESTABLISHMENT OF GRASKOPPIES 140MW WIND ENERGY FACILITY

1. South Africa Mainstream Renewable Power Developments (Pty) Ltd letter dated 12 January 2017, requesting a Letter of No Objection from the Department of Defence (DOD) in respect of the intended establishment of the Graskoppies 140MW wind energy facility, refers.

2. The following process was followed by the DOD to evaluate the potential impact of the intended development on the DOD:

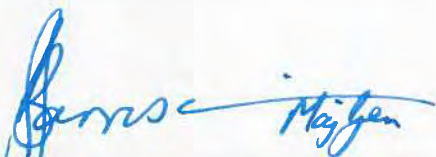
- a. Potential Impact on Landwards Activities. The potential impact of the intended development on landwards force preparation, employment and support was evaluated at the hand of the proximity of the intended development to military training areas and base areas; and possible limitations on the landwards movement and deployment of forces.
- b. Potential Impact on DOD Communication Installations. The potential impact of the intended development on DOD communication installation was evaluated by ascertaining whether the intended development intrudes into the DOD specified buffers around communication installations, as specified by the DOD Command Management and Information Services (CMIS) Division.
- c. Potential Impact on DOD Aviation Routes and Flight Safety. The potential impact of the intended development on military aviation was discussed and evaluated amongst



applicable specialists from the South African Civil Aviation Authority (SACAA) and the South African Air Force (SAAF) as part of the proceedings of the Obstacle Evaluation Committee (OEC).

3. The following was concluded after conducting the various evaluations:
- a. Potential Impact on Landwards Activities. A multi-disciplinary DOD evaluation panel concluded during a meeting on 18 May 2017 that there are no military training areas and base areas in close proximity to the proposed development and that the intended Graskoppies 140MW wind energy facility poses no material impact on the DOD's landwards activities. There is thus no objection on the part of DOD landwards activities.
 - b. Potential Impact on DOD Communication Installations. During the meeting of the multi-disciplinary DOD evaluation panel on 18 May 2017 it was concluded that the intended Graskoppies 140MW wind energy facility does not intrude into the DOD specified buffers around communication installations and that there is no objection on the part of DOD communication installations.
 - c. Potential Impact on DOD Aviation Routes and Flight Safety. The application for the intended Graskoppies 140MW wind energy facility was tabled at the OEC of 01 March 2017. The OEC found no objection and recommended this intended wind energy development for approval with the proviso that the required aeronautical obstruction markings and lighting are installed in accordance with SACAA policy.

Yours faithfully



(MAJOR GENERAL B.G. HARRISON)

CHIEF OF LOGISTICS: LIEUTENANT GENERAL

JHJP/ED/MAINSTREAM2

cc: Chief of the SA Air Force, Director Logistics
Chief CMIS Division
Chief of Logistics, Director Facilities, Deputy Director FLCM
Chief of Logistics, Director Facilities, SSO MIEM Strat Man & Plan
GOC Defence Works Formation, Director Works Operations, SSO MIEM Services

Stephan Jacobs

From: Nicolene Venter <nicolene@imaginativeafrica.co.za>
Sent: Thursday, October 26, 2017 4:56 PM
To: williams@sao.ac.za; chris@salt.ac.za
Cc: Andrea Gibb; Stephan Jacobs; Shaun Taylor; Hlengiwe Ntuli
Subject: EIA: Proposed 4 Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province
Attachments: 13622 Mainstream Wind Farm Updates Notification Ver1 19 June 2017 AG.PDF; 13622 LEEUWBERG JUN 2017.pdf; 13622 Leeuwig Wind Farms EIA Newsletter_Rev 2_10Oct17 ST.PDF; A3_13622_AllWindProjects_Rev06Oct2017_Reduced.pdf

Dear Prof Williams and Mr Coetzee,

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 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

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 that 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 (dated 12 June 2017) and is attached for your perusal.

We had been running the public participation process for the EIA and BA processes concurrently but due to technical matters, the official legislated public participation process for the BA process will commence shortly. This information was shared with the registered stakeholders on the project's database through an EIA Newsletter. Please find attached, for your perusal, the EIA Newsletter sent on 12th of October 2017.

We would like to make use of this opportunity to inform you that the Draft Environmental Impact Assessment Reports (DEIARs) will soon be available for the South African Astronomical Observatory's review and comments.

Please do not hesitate to contact us should you require any additional information at this stage of the project.

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



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Andrea Gibb

From: Stephnie Kot <stephnie.kot@aced.co.za>
Sent: Tuesday, 11 July 2017 12:14 PM
To: Andrea Gibb
Cc: Stephan Jacobs
Subject: FW: Four Proposed Mainstream Wind Farms near Loeriesfontein: DSR Comment Period Starting
Attachments: 13622 Mainstream DSR Notification Rev1 21 June 2017 AG (Afrikaans).pdf; 13622 Mainstream DSR Notification Rev1 21 June 2017 AG.pdf
Categories: Leeuwberg

Good day Andrea,

I hope you are well.

With regards to the below notification, can you advise if it would be possible to obtain a copy of the DSRs (inclusive of all appendices) via Dropbox? I am able to access the reports on the SiVest website, however it is not possible to easily download the entire report – instead each file has to be downloaded individually. While reviewing a DSR, once tends to jump between the DSR itself and the various Appendices – but having to download each individual file you wish to view becomes quite time consuming.

Please let me know if you would be able to provide a copy of the reports via Dropbox?

Many thanks.

Kind Regards,

Stephnie Kot

Email: stephnie.kot@aced.co.za

Tel: 021 670 1423

Cell: 083 318 3982

From: sivist_PPP [mailto:sivist_ppp@sivist.co.za]
Sent: 21 June 2017 04:28 PM
Cc: Andrea Gibb <AndreaG@sivist.co.za>; Stephan Jacobs <StephanJ@sivist.co.za>; 'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DSR Comment Period Starting

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Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS 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)

SiVEST SA (Pty) Ltd was previously appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Scoping Reports (DSRs) for the above mentioned wind farm projects will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day). Should you wish to receive an electronic copy of the DSRs (on CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

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

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

Attached is an English and Afrikaans letter notifying of the review period.

Kind Regards,

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





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

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Stephan Jacobs

From: Natasha Higgitt <nhiggitt@sahra.org.za>
Sent: Friday, September 8, 2017 9:47 AM
To: Stephan Jacobs
Cc: Andrea Gibb; Hlengiwe Ntuli
Subject: Re: 13622 4 X Mainstream Wind Farms near Loeriesfontein, Northern Cape - Hartebeest Leegte (11252) & Graskoppies (11250) DSRs re-uploaded to SAHRIS

Good morning,

Thank you for the notification. SAHRA awaits the HIA as requested for in the Interim Comment on the cases.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

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Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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www.sahra.org.za



From: "Stephan Jacobs" <StephanJ@sivest.co.za>
To: "Natasha Higgitt" <nhiggitt@sahra.org.za>
Cc: "Andrea Gibb" <AndreaG@sivest.co.za>, "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>
Sent: Friday, 8 September, 2017 9:40:25 AM
Subject: 13622 4 X Mainstream Wind Farms near Loeriesfontein, Northern Cape - Hartebeest Leegte (11252) & Graskoppies (11250) DSRs re-uploaded to SAHRIS

Good Morning Mrs. Higgitt,

Please note that the DSRs for the Hartebeest Leegte (**Case ID number: 11252**) and Graskoppies (**Case ID number: 11250**) cases were re-uploaded to SAHRIS as requested (see email below).

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

Kind Regards,

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

Environmental Consultant

SiVEST Environmental Division



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

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Consulting Engineers

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

From: Natasha Higgitt [mailto:nhiggitt@sahra.org.za]

Sent: Friday, September 1, 2017 8:49 AM

To: Hlengiwe Ntuli

Cc: Andrea Gibb; Stephan Jacobs

Subject: Re: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

Good morning,

Thank you for this. Please ensure that the DSR for Hartebeest Leegte and Graskoppies cases is re-uploaded. I had issued comments where I referenced these reports, therefore they should not have been removed.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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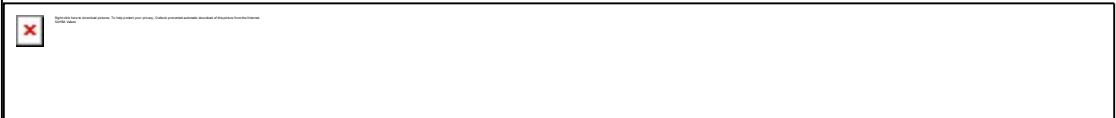
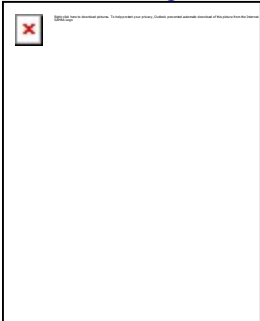
www.sahra.org.za

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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www.sahra.org.za



From: "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>
To: "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Andrea Gibb" <AndreaG@sivest.co.za>
Cc: "Stephan Jacobs" <StephanJ@sivest.co.za>
Sent: Wednesday, 16 August, 2017 3:10:02 PM
Subject: RE: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

Good Day Natasha,

Thank you for informing us of that.

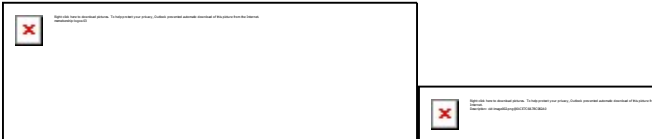
I've loaded the FSR to the server as requested.

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

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Consulting Engineers

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

From: Natasha Higgitt [<mailto:nhiggitt@sahra.org.za>]
Sent: 04 August 2017 03:12 PM
To: Andrea Gibb <AndreaG@sivest.co.za>
Cc: Stephan Jacobs <StephanJ@sivest.co.za>; Hlengiwe Ntuli <HlengiweN@sivest.co.za>
Subject: Re: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

Good afternoon,

Thank you for the update. Please ensure that the documents are uploaded to the relevant SAHRIS Case applications. When this is completed, please inform me so that I may attend to the cases.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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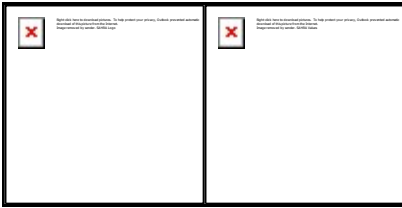
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Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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From: "sivest_PPP" <sivest_ppp@sivest.co.za>
Cc: "Andrea Gibb" <AndreaG@sivest.co.za>, "Stephan Jacobs" <StephanJ@sivest.co.za>, "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>, "Nicolene Venter" <nicolene@imaginativeafrica.co.za>, "rebecca.thomas@mainstreamrp.com" <rebecca.thomas@mainstreamrp.com>
Sent: Friday, 4 August, 2017 2:16:26 PM
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

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Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)**
- **Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)**
- **Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)**

- **SUBMISSION OF FINAL SCOPING REPORTS TO DEPARTMENT OF ENVIRONMENTAL AFFAIRS**

Following the public comment and review period of the Draft Scoping Reports (DSRs) for the above-mentioned projects from Wednesday the 21st of June 2017 to Friday the 21st of July 2017 (end of business day) the DSRs were updated, taking into consideration the issues and concerns raised by stakeholders, and the Final Scoping Reports (FSRs) were submitted to the Department of Environmental Affairs (DEA) on Friday the 4th of August 2017.

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

Should you wish to receive an electronic copy of the FSRs (on CD) please forward your request in writing to us. Comments can be submitted as follows:

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

We would like to thank you for your active and meaningful contribution to the EIA and Public Participation Process.

Kind Regards,

Onderwerp: Vier voorgestelde Mianstream Windplase naby Loeriesfontein: FBV Komentaar Periode Begin

Geagte Belangstellende en/of Geaffekteerde Party

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE

- **Graskoppies Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1017)**
- **Xha! Boom Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1018)**

- **Hartebeest Leegte Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1015)**
- **Ithemba Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1016)**
- **INDIENING VAN DIE FINALE BESTEKOPNAMEVERSLAE BY DIE DEPARTEMENT VAN OMGEWINGSAKE**

Na aanleiding van die kommentaar deur die openbare oorsigtydperk van die Konsep Bestekopnameverslae vir die bogenoemde projekte van Woensdag 21 Junie 2017 tot Vrydag 21 Julie 2017 (teen sluitingstyd) was die Konsep Bestekopnameverslae bygewerk en gefinaliseer, met inagneming van die kwessies en kommentaar wat deur belanghebbendes opgewek was, en die Finale Bestekopnameverslae was op Vrydag 04 Augustus 2017 aan die Departement van Omgewingsake (DO) ingedien vir oorweging.

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

As u 'n elektroniese kopie van die Finale Bestekopnameverslae (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan soos volg ingedien word:

Hlengiwe Ntuli of Stephan Jacobs

Posbus 2921, RIVONIA, 2128

Telefoon: 011 798 0600

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

Faks: 011 803 7272

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

Vriendelike groete

Kind Regards

Andrea Gibb

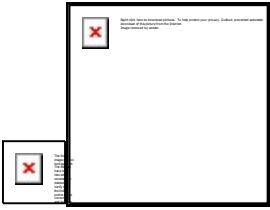
Senior Manager

SiVEST Environmental Division





Small, illegible text or a watermark located just below the red 'x' icon in the top-left corner.



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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)

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Stephan Jacobs

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

Dear Mr Fortuin,

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

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

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

DATE: Tuesday, 31 October 2017

TIME: 14h30

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

We are looking forward to a fruitful meeting.

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

Kind regards,

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

 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

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?"

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

SIVEST

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	ME	VOORNAAM	JEANNETTE-ANNE
VOORLETTERS	J.E.	VAN	STEENKAMP
INSTANSIE	MUNISIPLIE RAAJ	E-POS	janeystee@gmail.com
POSADRES	ANGELIER STRAAT 788, NIEWOUDTVILLE		
		POSKODE	8180
TEL. NO.	0722538788	FAKS NO.	

REGISTRASIE AS BELANGSTELLEDE 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.	<input checked="" type="radio"/> JA	<input type="radio"/> 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:

in Rehabilitasie of hervestigingsplan (Haalbaarheid)
- Verwydering van plant spesies in die beoogde areas voordat konstruksie begin. Dit ex-situ te groei (kweekery) = werkskepping weer te hervestig nadat konstruksie voltooi is.

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

Voorkeur gee aan bewarings organisasies om saad, steggies en plante uit te haal voordat konstruksie begin, vir bewaringsdoeleindes (DENC; CAPE NATURE; SANBI; SANPARKS; MSA; CREW)

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):

Eugene Marinus ; 076 234 2902 ; emmarinus@gmail.com

Janey Steenkamp
Handtekening

25/3/2017

Datum

DANKIE VIR U BYDRAE

Stephan Jacobs

From: Natasha Higgitt <nhiggitt@sahra.org.za>
Sent: Friday, September 1, 2017 8:49 AM
To: Hlengiwe Ntuli
Cc: Andrea Gibb; Stephan Jacobs
Subject: Re: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

Good morning,

Thank you for this. Please ensure that the DSR for Hartebeest Leegte and Graskoppies cases is re-uploaded. I had issued comments where I referenced these reports, therefore they should not have been removed.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

T: +27 21 462 4502 | F: +27 21 462 4509 | C: +27 82 507 0378
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Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town | 8001

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From: "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>
To: "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Andrea Gibb" <AndreaG@sivest.co.za>
Cc: "Stephan Jacobs" <StephanJ@sivest.co.za>
Sent: Wednesday, 16 August, 2017 3:10:02 PM
Subject: RE: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

Good Day Natasha,

Thank you for informing us of that.

I've loaded the FSR to the server as requested.

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator
SiVEST Environmental Division



SiVEST is a Level 3 BBEE Contributor



Direct +27 11 798 0690 Tel +27 11 798 0600 fax +27 11 803 7272
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 - Ladysmith - Port Louis (Mauritius)

From: Natasha

Higgitt [mailto:nhiggitt@sahra.org.za]

Sent: 04 August 2017 03:12 PM

To: Andrea Gibb <AndreaG@sivest.co.za>

Cc: Stephan Jacobs <StephanJ@sivest.co.za>; Hlengiwe Ntuli <HlengiweN@sivest.co.za>

Subject: Re: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR Comment Period Starting

Good afternoon,

Thank you for the update. Please ensure that the documents are uploaded to the relevant SAHRIS Case applications. When this is completed, please inform me so that I may attend to the cases.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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- A nation united through heritage -

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Natasha Higgitt

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town | 8001



From: "sivest_PPP" <sivest_ppp@sivest.co.za>
Cc: "Andrea Gibb" <AndreaG@sivest.co.za>, "Stephan Jacobs" <StephanJ@sivest.co.za>, "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>, "Nicolene Venter" <nicolene@imaginativeafrica.co.za>, "rebecca.thomas@mainstreamrp.com" <rebecca.thomas@mainstreamrp.com>
Sent: Friday, 4 August, 2017 2:16:26 PM
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: FSR 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

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)**
- **Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)**
- **Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)**

- **SUBMISSION OF FINAL SCOPING REPORTS TO DEPARTMENT OF ENVIRONMENTAL AFFAIRS**

Following the public comment and review period of the Draft Scoping Reports (DSRs) for the above-mentioned projects from Wednesday the 21st of June 2017 to Friday the 21st of July 2017 (end of business day) the DSRs were updated, taking into consideration the issues and concerns raised by stakeholders, and the Final Scoping Reports (FSRs) were submitted to the Department of Environmental Affairs (DEA) on Friday the 4th of August 2017.

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

Should you wish to receive an electronic copy of the FSRs (on CD) please forward your request in writing to us. Comments can be submitted as follows:

Hlengiwe Ntuli or Stephan Jacobs

PO Box 2921, RIVONIA, 2128
Phone: (011) 798 0600
E-mail: hlangiwen@sivest.co.za / stephanj@sivest.co.za
Fax: (011) 803 7272

We would like to thank you for your active and meaningful contribution to the EIA and Public Participation Process.

Kind Regards,

Onderwerp: Vier voorgestelde Mianstream Windplase naby Loeriesfontein: FBV Komentaar Periode Begin

Geagte Belangstellende en/of Geaffekteerde Party

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE

- **Graskoppies Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1017)**
- **Xha! Boom Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1015)**
- **Ithemba Windplaas – (DO Verw. No.: 14/12/16/3/3/2/1016)**

- **INDIENING VAN DIE FINALE BESTEKOPNAMEVERSLAE BY DIE DEPARTEMENT VAN OMGEWINGSAKE**

Na aanleiding van die kommentaar deur die openbare oorsigtydperk van die Konsep Bestekopnameverslae vir die bogenoemde projekte van Woensdag 21 Junie 2017 tot Vrydag 21 Julie 2017 (teen sluitingstyd) was die Konsep Bestekopnameverslae bygewerk en gefinaliseer, met inagneming van die kwessies en kommentaar wat deur belanghebbendes opgewek was, en die Finale Bestekopnameverslae was op Vrydag 04 Augustus 2017 aan die Departement van Omgewingsake (DO) ingedien vir oorweging.

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

As u 'n elektroniese kopie van die Finale Bestekopnameverslae (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan soos volg ingedien word:

Hlangiwe Ntuli of Stephan Jacobs
Posbus 2921, RIVONIA, 2128
Telefoon: 011 798 0600
E-pos: hlangiwen@sivest.co.za / stephanj@sivest.co.za