

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED ESTABLISHMENT OF A
WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE ON A SITE NEAR
KLEINZEE, NORTHERN CAPE PROVINCE**

PUBLIC INVOLVEMENT PROCESS REPLY FORM

Return completed reply form to: **Gerhard Cronje of Savannah Environmental (Pty) Ltd**

Fax: **086 684 0547**

Phone: **011 234 6621**

E-mail: **gerhard@savannahsa.com**

Postal Address: **PO Box 148, Sunninghill, 2157**

Please provide your complete contact details:

Name & Surname:	ROB BLAKE		
Organisation & Designation:	STRANDVELD CONSERVATION CLUB & CHAIRMAN		
Postal Address:	PO BOX 116 KLEINSEE 8282		
Telephone:	027 807 2101	Cellphone:	083 562 9324
Fax:	027 807 6915	E-mail:	rob.blake@debeersgroup.com

Would you like to register as an interested and affected party (I&AP)? YES NO
(please tick the relevant box)

Note: Please register as an I&AP to receive further correspondence regarding the EIA process for the project

Please state your interest in the project (add additional pages if necessary):

THE STRANDVELD CONSERVATION CLUB HAVE BEEN GRANTED THE RIGHT TO CONDUCT ECO-TOURISM ACTIVITIES ON GORAAP BY DE BEERS CONSOLIDATED MINES LTD.

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

WILL ESKOM ALLOW THE ECO-TOURISM ACTIVITIES TO PROCEED ON GORAAP?
WILL THE NOISE FROM THESE TURBINES BE HEARD IN KLEINZEE?

Please provide contact details of other persons who you regard as a potential interested or affected party:

Name & Surname:			
Organisation & Designation:			
Postal Address:			
Telephone:		Cellphone:	
Fax:		E-mail:	

What is your preferred language of correspondence? (please tick the relevant box)

English
Afrikaans



This assessment is being conducted on behalf of Eskom
(Sien keersy vir Afrikaans)

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED KLEINZEE 300MW
WIND FARM, NORTHERN CAPE PROVINCE**

PUBLIC INVOLVEMENT PROCESS REPLY FORM

Return completed reply form to: **Shawn Johnston of Sustainable Futures ZA**

Fax: **086 510 2537**

Phone: **083 325 9965**

E-mail: **swjohnston@mweb.co.za**

Postal Address: **PO Box 749, Rondebosch, Cape Town, 7701**

Please provide your complete contact details:

Name & Surname:	NMRESTORATION CC		DUDLEY WESSERS
Organisation & Designation:	NMRESTORATION CC		
Postal Address:	PO. Box 51		DISC PLEASE.
	KOINGNAAS 8249.		
Telephone:	021 692 3100	Cellphone:	083 308 2569.
Fax:	021 692 3100	E-mail:	peeb@kingsley.co.za

Would you like to register as an interested and affected party (I&AP)? YES NO
(please tick the relevant box)

Note: Please register as an I&AP to receive further correspondence regarding the EIA process for the project

Please state your interest in the project (add additional pages if necessary):

NMRESTORATION IS A SPECIALIST COMPANY IN RESTORATION + REHABILITATION OF DISTURBED MINING AREAS ON THE NAMAKUALAND COASTAL AREAS. NMR HAS CONTRACTED TO DEISERS FOR THE RESTORATION OF THEIR DISTURBED MINING SITES WITH GREAT RESULTS. NMR UTILISES LOCAL PEOPLE, PROVIDES INHOUSE TRAINING IN REHAB, RESTORATION AND ENVIRONMENTAL CONTROL. D. WESSERS IS KNOWLEDGEABLE IN LOCAL FOSSIL, PLANT, INSECTS REPTILES

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

1) ARE LOCAL ROADS GOING TO BE UPGRADED?
 2) WILL ENTOMOLOGICAL STUDIES BE DONE ON A SEASONAL ROTATIONAL BASIS?
 3) WILL LOCAL SPECIALISTS BE EMPLOYED DURING CONSTRUCTION + POST CONSTRUCTION?
 4) LOCAL EMPLOYMENT IS CRUCIAL.
 5) NM RESTORATION CAN SUPPLY SPECIALIST KNOWLEDGE OF FLORA + REHABILITATION AND RESTORATION.

Please provide contact details of other persons who you regard as a potential interested or affected party:

Name & Surname:	PROF. RICHARD COOLING	
Organisation & Designation:	UNIVERSITY NELSON MANDELA. PE.	
Postal Address:		
Telephone:	Cellphone:	082 45 15383.
Fax:	E-mail:	rmc@kingsley.co.za.

What is your preferred language of correspondence? (please tick the relevant box) English Afrikaans



This assessment is being conducted on behalf of Eskom
(Sien keersy vir Afrikaans)

**OMGEWINGSIMPAKSTUDIE PROSES: VOORGESTELDE KLEINZEE 300 MW WINDPLAAS,
NOORD-KAAP PROVINSIE**

OPENBARE DEELNAMEPROSES REGISTRASIE/KOMMENTAAR VORM

Stuur asb u voltooide registrasie vorm aan: **Shawn Johnston** van **Sustainable Futures ZA**

Faks: **086 510 2537**

Tel: **083 325 9965**

Epos: **swjohnston@mweb.co.za**

Pos Adres: **Posbus 749, Rondebosch, Cape Town, 7701**

Verskaf asseblief u persoonlike kontak besonderhede:

Naam & Van:	Rodrille Adams		
Organisasie & Rol:	Rygs Komitee en Toerisme		
Posadres:	Posbus 90		
	Kowabgats 8242		
Telefoon:	027 8211 313	Selfoon:	076 642 0868
Faks:		Epos:	

Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party . JA

(B&GP)? (Merk met X)

NEE

Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpakevalueringproses te ontvang.

Verduidelik u belangstelling in hierdie projek (gebruik addisionele bladsye indien nodig):

Toerisme bewaring en werkskepping tot voordeel van gemeenskap

Lys u vree, opinies of besorghede in verband met hierdie projek (gebruik addisionele bladsye indien nodig):

Volhoubaarheid van projek.
Versteuring van Habitatte en ekologiese aktiwiteite.

Verskaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:

Naam & Van:	Benadine Adams		
Organisasie & Rol:	Youth Development		
Posadres:	P.O. Box 90 8242		
Telefoon:	027 8211 313	Selfoon:	073 8233 86
Faks:		E-pos:	

Dui u taal van keuse en korrespondensie aan (Merk met X)

Engels

Afrikaans



Hierdie studie word namens Eskom onderneem (Sien omkeer bladsy vir Engels)

OMGEWINGSIMPAKSTUDIE PROSES: VOORGESTELDE KLEINZEE 300 MW WINDPLAAS,
NOORD-KAAP PROVINSIE

OPENBARE DEELNAMEPROSES REGISTRASIE/KOMMENTAAR VORM

Stuur asb u voltooide registrasie vorm aan: **Shawn Johnston** van **Sustainable Futures ZA**

Faks: **086 510 2537**

Tel: **083 325 9965**

Epos: **swjohnston@mweb.co.za**

Pos Adres: **Posbus 749, Rondebosch, Cape Town, 7701**

Verskaf asseblief u persoonlike kontak besonderhede:

Naam & Van:	CYRILL Cosmos Bujan		
Organisasie & Rol:	Innovatif Development Solutions C/c		
Posadres:	Posbus 17 Komaggas		
Telefoon:	8242 JJ	Selfoon:	0737425711
Faks:		Epos:	

Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party JA

(B&GP)? (Merk met X)

NEE

Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpakevalueringproses te ontvang.

Verduidelik u belangstelling in hierdie projek (gebruik addisionele bladsye indien nodig):

Ek stel belang omdat ek wil meer leer en my met my betrokke maatskappy en gemeenskap lede te betrokke in betrokke projek en om ons te bemagtig

Lys u vrae, opinies of besorghede in verband met hierdie projek (gebruik addisionele bladsye indien nodig):

- 1) Is daar opleiding en kan ons kwalifikasie verwerk.
- 2) Gaan die gemeenskap voordeel trek.

Verskaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:

Naam & Van:	Marina Beke		
Organisasie & Rol:	Rekenaar en IDS		
Posadres:	Posbus 18		
Telefoon:	0840492160	Selfoon:	
Faks:		E-pos:	

Dui u taal van keuse en korrespondensie aan (Merk met X)

Engels

Afrikaans



Hierdie studie word namens Eskom
ondernem (Sien omkeer bladsy vir Engels)

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED KLEINZEE 300MW
WIND FARM, NORTHERN CAPE PROVINCE**

PUBLIC INVOLVEMENT PROCESS REPLY FORM

Return completed reply form to: **Shawn Johnston of Sustainable Futures ZA**

Fax: **086 510 2537**

Phone: **083 325 9965**

E-mail: **swjohnston@mweb.co.za**

Postal Address: **PO Box 749, Rondebosch, Cape Town, 7701**

Please provide your complete contact details:

Name & Surname:	Isak Rumboll		
Organisation & Designation:	C.K Rumboll and Partners (Town and Regional Planners)		
Postal Address:	P.O. Box 211 Malmesbury 7299		
Telephone:	022 48 21 84 #5	Cellphone:	072 331 8413
Fax:	022 48 71661	E-mail:	izak@rumboll.co.za

Would you like to register as an interested and affected party (I&AP)? YES NO
(please tick the relevant box)

Note: Please register as an I&AP to receive further correspondence regarding the EIA process for the project

Please state your interest in the project (add additional pages if necessary):

We are the appointed Town and Regional Planners to facilitate the rezoning.

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

We need the input for our application.

Please provide contact details of other persons who you regard as a potential interested or affected party:

Name & Surname:	/			
Organisation & Designation:				
Postal Address:				
Telephone:				Cellphone:
Fax:				E-mail:

What is your preferred language of correspondence? (please tick the relevant box) English Afrikaans



This assessment is being conducted on behalf of Eskom
(Sien keersy vir Afrikaans)

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED KLEINZEE 300MW
WIND FARM, NORTHERN CAPE PROVINCE**

PUBLIC INVOLVEMENT PROCESS REPLY FORM

Return completed reply form to: **Shawn Johnston of Sustainable Futures ZA**

Fax: **086 510 2537**

Phone: **083 325 9965**

E-mail: **swjohnston@mweb.co.za**

Postal Address: **PO Box 749, Rondebosch, Cape Town, 7701**

Please provide your complete contact details:

Name & Surname:	VICTOR CLOETE		
Organisation & Designation:	SUP COORDINATOR DE BEERS		
Postal Address:	PO BOX 149 Kleinsee, 8280		
Telephone:	0278072998	Cellphone:	0832863244
Fax:		E-mail:	victor.cloete@debeersgroup.co.za

Would you like to register as an interested and affected party (I&AP)? YES NO
(please tick the relevant box)

Note: Please register as an I&AP to receive further correspondence regarding the EIA process for the project

Please state your interest in the project (add additional pages if necessary):

Resident of the area

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

Please provide contact details of other persons who you regard as a potential interested or affected party:

Name & Surname:			
Organisation & Designation:			
Postal Address:			
Telephone:		Cellphone:	
Fax:		E-mail:	

What is your preferred language of correspondence? (please tick the relevant box)

English
Afrikaans



This assessment is being conducted on behalf of Eskom

(Sien keersy vir Afrikaans)

OMGEWINGSIMPAKSTUDIE PROSES: VOORGESTELDE OPRIGTING VAN 'N WINDKRAG
AANLEG OP 'N TERREIN NABY KLEINZEE, NOORD-KAAP PROVINSIE

OPENBARE DEELNAMEPROSES REGISTRASIE/KOMMENTAAR VORM

Stuur asb u voltooide registrasie vorm aan: **Gerhard Cronje** van **Savannah Environmental (Pty) Ltd**
Faks: **086 684 0547** Tel: **011 234 6621**
Epos: **gerhard@savannahsa.com**
Pos Adres: **Posbus 148, Sunninghill, 2157**

Verskaf asseblief u persoonlike kontak besonderhede:

Naam & Van:	WILLEM. D. ENGELBRECHT		
Organisasie & Rol:	VOORSITTER: BOEREVERENIGING.		
Posadres:	POSBUS 157 KLEINZEE 8282.		
Telefoon:	027 82 11 444	Selfoon:	SEEN ONTV.
Faks:		Epos:	

Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party (B&GP)? (Merk met X) JA NEE

Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpakevalueringproses te ontvang.

Verduidelik u belangstelling in hierdie projek (gebruik addisionele bladsye indien nodig):

Ben inligting oor te deel aan die omgewing se boere.

Lys u vrae, opinies of besorghede in verband met hierdie projek (gebruik addisionele bladsye indien nodig):

Verskaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:

Naam & Van:			
Organisasie & Rol:			
Posadres:			
Telefoon:		Selfoon:	
Faks:		E-pos:	

Dui u taal van keuse en korrespondensie aan (Merk met X) Engels Afrikaans



Hierdie studie word namens Eskom
onderneem (Sien omkeer bladsy vir Engels)

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED ESTABLISHMENT OF A
WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE ON A SITE NEAR
KLEINZEE, NORTHERN CAPE PROVINCE

PUBLIC INVOLVEMENT PROCESS REPLY FORM

Return completed reply form to: Gerhard Cronje of Savannah Environmental (Pty) Ltd

Fax: 086 684 0547

Phone: 011 234 6621

E-mail: gerhard@savannahsa.com

Postal Address: PO Box 148, Sunninghill, 2157

Please provide your complete contact details:

Name & Surname:

LOUISE VISAGIE

Organisation & Designation:

NURTURE RESTORE INNOVATE : ECOLOGIST

Postal Address:

PO BOX 78

KLEINZEE 8282

Telephone:

071 362 3783

Cellphone:

Fax:

086 524 2711

E-mail:

LOUISE@VISAGIE.NET

Would you like to register as an interested and affected party (I&AP)? YES

(please tick the relevant box)

NO



Note: Please register as an I&AP to receive further correspondence regarding the EIA process for the project

Please state your interest in the project (add additional pages if necessary):

CURRENTLY INVOLVED WITH RESTORATION OF NAMAQUA SANDVELD
VEGETATION IN MIND AREAS.

HAVE AN INTEREST IN PROPOSED ALTERNATIVE LAND-USES AND
EIA PROCESSES FOLLOWED.

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

WHAT ARE THE BOUNDARIES (GPS COORDINATES IF AVAILABLE) OF THE
AREA EARMARKED FOR THE DEVELOPMENT OF THIS FACILITY? AND
TOTAL LAND SURFACE AREA?

WHAT OUTPUT IS THE FACILITY PROJECTED TO ADD TO THE ESKOM GRID?
WHAT IS THE ENVISAGED TIMELINE FOR THE DEVELOPMENT OF THE FACILITY?

Please provide contact details of other persons who you regard as a potential interested or
affected party:

Name & Surname:

Organisation & Designation:

Postal Address:

Telephone:

Cellphone:

Fax:

E-mail:

What is your preferred language of correspondence? (please tick the relevant box)

English

Afrikaans



This assessment is being conducted on
behalf of Eskom
(Sien keersy vir Afrikaans)

**OMGEWINGSIMPAKSTUDIE PROSES: VOORGESTELDE OPRIGTING VAN 'N WINDKRAG
AANLEG OP 'N TERREIN NABY KLEINZEE, NOORD-KAAP PROVINSIE**

OPENBARE DEELNAMEPROSES REGISTRASIE/KOMMENTAAR VORM

Stuur asb u voltooide registrasie vorm aan: **Gerhard Cronje** van **Savannah Environmental (Pty) Ltd**
Faks: **086 684 0547** Tel: **011 234 6621**
Epos: **gerhard@savannahsa.com**
Pos Adres: **Posbus 148, Sunninghill, 2157**

Verskaf asseblief u persoonlike kontak besonderhede:

Naam & Van:	DR PETER CARRICK		
Organisasie & Rol:	NURTURE RESTORE INNOVATE : OWNER (ECOLOGIST)		
Posadres:			
Telefoon:	Selfoon:	082 354 9842	
Faks:	Epos:	PETER.CARRICK@UCT.AC.ZA	

Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party (B&GP)? (Merk met X) JA NEE

Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpakevalueringproses te ontvang.

Verduidelik u belangstelling in hierdie projek (gebruik addisionele bladsye indien nodig):

LANGTERMYN BELANG IN RESTOURASIE EN BEWARING VAN PLANTGEMEENSKAPPE IN NAMAKWALAND.

Lys u vrae, opinies of besorghede in verband met hierdie projek (gebruik addisionele bladsye indien nodig):

Verskaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:

Naam & Van:			
Organisasie & Rol:			
Posadres:			
Telefoon:	Selfoon:		
Faks:	E-pos:		

Dui u taal van keuse en korrespondensie aan (Merk met X) Engels Afrikaans



**Hierdie studie word namens Eskom
onderneem** (Sien omkeer bladsy vir Engels)

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED KLEINZEE 300MW
WIND FARM, NORTHERN CAPE PROVINCE**

PUBLIC INVOLVEMENT PROCESS REPLY FORM

Return completed reply form to: **Shawn Johnston** of **Sustainable Futures ZA**

Fax: **086 510 2537**

Phone: **083 325 9965**

E-mail: **swjohnston@mweb.co.za**

Postal Address: **PO Box 749, Rondebosch, Cape Town, 7701**

Please provide your complete contact details:

Name & Surname:

Organisation & Designation:

Postal Address:

Telephone:

Fax:

Aubrey Baartman (N.A.)	
Municipal Manager: Nama Khoi Municipality	
P.O. Box 17	
Springbok 8240	
097-7188100	Cellphone: 097-7188101 (Direct Line)
097-7181635	E-mail: moukeeb.aubrey@namakhoi.gov.za

Would you like to register as an interested and affected party (I&AP)? YES
(please tick the relevant box) NO

Note: Please register as an I&AP to receive further correspondence regarding the EIA process for the project

Please state your interest in the project (add additional pages if necessary):

Register the Nama Khoi Municipality in Springbok as I&AP.

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

Please provide contact details of other persons who you regard as a potential interested or affected party:

Name & Surname:

Organisation & Designation:

Postal Address:

Telephone:

Fax:

LEP I&AP

MR. Russell Hartley	
	Cellphone:
	E-mail: Russell.Hartley@namakhoi.gov.za

What is your preferred language of correspondence? (please tick the relevant box)

English

Afrikaans



This assessment is being conducted on behalf of Eskom

(Sien keersy vir Afrikaans)



**SUSTAINABLE
FUTURES ZA**

05 October 2011

Dear Stakeholder

**PROPOSED KLEINZEE 300MW WIND FARM,
NORTHERN CAPE PROVINCE
(DEA Ref No. 12/12/20/2212)**

**NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS AND
INVITATION TO PARTICIPATE IN THE PROCESS**

Eskom Holdings Limited is proposing the establishment of a wind energy facility and associated infrastructure which will be referred to as the Kleinzee 300 MW Wind Farm. The wind farm is proposed to be established on an identified site which is located approximately 6 km south of Kleinzee in the Northern Cape Province, within the Nama Khoi Local Municipality. The larger site covers an area of approximately 9300 ha. The proposed facility will have a **generating capacity of up to 300 MW** and will comprise a cluster of 150-200 wind turbines. Each turbine will have a generating capacity of between 1.5 MW and 2 MW. Each turbine will have a **steel tower** (of up to 140m in height), a **nacelle** (gear box) and three **rotor blades** with a rotor diameter of up to 140 m (i.e. each blade up to 70 m in length).

Other infrastructure associated with the wind energy facility is proposed to include:

- » **Concrete foundations** to support the turbine towers
- » **Cabling** between the turbines to be laid underground where practical
- » An on-site **substation** to facilitate the connection between the facility and the electricity grid
- » An **overhead power line** (400kV) proposed to feed into Eskom's electricity grid at Gromis Substation (Gromis Substation is situated approximately 60 km from the proposed site)
- » Internal **access roads** between wind turbines
- » **Borrow pits** within the site for the construction of access roads
- » **Office/Workshop** area for maintenance and storage, and
- » **Visitors centre**

PUBLIC FEEDBACK MEETING

All interested and affected parties are cordially invited to attend a public feedback meeting to discuss the proposed project as well as the key findings of the studies completed to date. The meeting is scheduled to take place as follows:

DATE: Thursday, 13 October 2011
TIME: 17:00 -18:30
VENUE: Kleinsee Recreational Club

This is an open meeting and anyone is welcome to attend. Although you are not required to pre-register for the meeting, it would be appreciated if you could confirm your attendance with the undersigned on or before Thursday, **13 October 2011.**

Should you have any comments, please submit them to:

Shawn Johnston of Sustainable Futures ZA

P.O. Box 749, Rondebosch,

Cape Town, 7701

Tel: 083 325 9965

Fax: 086 510 2537

Email: swjohnston@mweb.co.za

All comments received will be included in the Final Scoping Report, which will be submitted to the National Department of Environmental Affairs (DEA) for review and comment.

Yours sincerely,

Shawn Johnston
Process Facilitator
(not signed via email/fax)



**SUSTAINABLE
FUTURES ZA**

05 December 2011

Dear Stakeholder

**PROPOSED KLEINZEE 300MW WIND FARM,
NORTHERN CAPE PROVINCE
(DEA Ref No. 12/12/20/2212)**

**NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS AND
INVITATION TO VIEW DRAFT SCOPING REPORT**

Eskom Holdings Limited is proposing the establishment of a wind energy facility and associated infrastructure which will be referred to as the Kleinzee 300 MW Wind Farm. The wind farm is proposed to be established on an identified site which is located approximately 6 km south of Kleinzee in the Northern Cape Province, within the Nama Khoi Local Municipality. The larger site covers an area of approximately 8682 ha. The proposed facility will have a **generating capacity of up to 300 MW** and will comprise a cluster of up to 200 wind turbines. Each turbine will have a generating capacity of between 1.5 MW and 3 MW. Each turbine will have a **steel tower** (of up to 140m in height), a **nacelle** (gear box) and three **rotor blades** with a rotor diameter of up to 140 m (i.e. each blade up to 70 m in length).

Other infrastructure associated with the wind energy facility is proposed to include:

- » A cluster of between **150 and 200 wind turbines** to be constructed over an area of ~ **8 682 ha** in extent
- » **Concrete foundations** to support the turbine towers
- » **Cabling** between the turbines to be lain underground where practical
- » An on-site **substation** to facilitate the connection between the facility and the electricity grid
- » An **overhead power line** (400kV) feeding into Eskom's electricity grid at Gromis Substation (Gromis Substation is situated approximately 16 km from the proposed site)
- » Internal **access roads** between wind turbines
- » **Borrow pits** within the site for the construction of access roads
- » **Office/Workshop** area for maintenance and storage

- » **Visitors centre**
- » A possible **desalination plant**¹ to de-salt water to be used for the construction phase

INVITATION TO REVIEW THE DRAFT ENVIRONMENTAL SCOPING REPORT

A Draft Scoping Report has been prepared by Savannah Environmental and is now available for public review. You are invited to review the report at one of the following locations:

- » Kleinsee Tourism Centre (adjacent to museum)
- » Buffelsrivier office of the Nama Khoi Municipality
- » Komaggas office of the Nama Khoi Municipality
- » Springbok Library
- » www.savannahsa.com
- » www.eskom.co.za/eia

The period for review is **05 December 2011 to 23 January 2012**. Please submit written comment to Sustainable Futures ZA no later than 23 January 2012. Comments can be made as written submission via fax, post or e-mail.

Please submit your comments to
Shawn Johnston of Sustainable Futures ZA P.O. Box 749, Rondebosch, Cape Town, 7701 Tel: 083 325 9965 Fax: 086 510 2537 Email: swjohnston@mweb.co.za

All comments received will be included in the Final Scoping Report, which will be submitted to the National Department of Environmental Affairs (DEA) for review and comment.

Yours sincerely,

Shawn Johnston
Process Facilitator
(not signed via email/fax)

¹ To be investigated as a possible water supply source



**SUSTAINABLE
FUTURES ZA**

PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY ENVIRONMENTAL IMPACT ASSESSMENT

FOCUS GROUP MEETING

NOTES OF FOCUS GROUP MEETING

Held on
Wednesday, 12 October 2011,
Springbok

Savannah Environmental (Pty) Ltd

Address: PO Box 148
Sunninghill, 2157
Tel: 011 234 6621
Fax: 086 684 0547
E-mail: alicia@savannahsa.com

Sustainable Futures ZA

Address: PO Box 749
Rondebosch,
Cape Town, 7701
Tel: 083 325 9965
Fax: 086 510 2537
E-mail: swjohnston@mweb.co.za

Notes for the Record prepared by:

Sustainable Futures ZA & Savannah Environmental

Please address any comments to Shawn Johnston at the above address.

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY

Venue: Wimpy Springbok
Date: Wednesday, 12 October 2011
Time: 12h00 – 12h30

WELCOME AND INTRODUCTION

Shawn Johnston, the process facilitator welcomed ward councillor Willem Goedeman and thanked him for the opportunity to meet and introduced the proposed Eskom Kleinsee Wind Energy Facility to him. He introduced Alicia Govender who clarified the project.

MEETING ATTENDEES

Name	Organisation & Position
Shawn Johnston	Sustainable Futures ZA- Public Participation Specialist
Willem Goedeman	Ward Councillor Namakoi Municipality (Buffelsrivier, Komaggas and Kleinsee)
Alicia Govender	Savannah Environmental

APOLOGIES

No apologies were received.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Shawn Johnston from Sustainable Futures ZA then clarified the findings of the scoping study to date and clarified the follow-up focus group meetings scheduled with the local communities of Buffelsrivier and Komaggas for Thursday, 13 November 2011. Councillor Willem Goedeman confirmed that the meetings were confirmed as requested and agreed.

DISCUSSION SESSION

Question / Comment	Response
<p>Willem Goedeman: Thank you for the opportunity to clarify this project. I have been in touch with the Namakhoi Municipal Manager about the project earlier today. We would like for you to make a formal presentation to the Namakhoi Municipality and the Namakwa District Municipality during the formal environmental impact assessment phase.</p>	<p>Alicia Govender: That would be doable and we are willing to do this. Please note the project background information documents have been delivered to the Namkwa District Municipality and the Namakhoi Municipality in Springbok. We will add your request as a task for the environmental impact assessment phase.</p>
<p>Willem Goedeman: Please note the two focus group meetings have been arranged with the communities of Buffelsrivier and Komaggas. These are the closest communities to the Kleinsee area.</p>	<p>Shawn Johnston: Thank you for the arrangements and your help in communicating with the communities of Buffelsriver and Komaggas.</p>
<p>Willem Goedeman: Please note that you would have to communicate with the communities of Buffelsrivier and Komaggas directly. I am only the ward councillor, there is a ward committee, a land claims committee, other community based and non governmental organisations in this area that need to be informed as well.</p>	<p>Shawn Johnston: Thank you for the insight into your ward and community. We look forward to profiling the community and to add any other interested and affected parties to the project database.</p>
<p>Willem Goedeman: Can you please do your presentations to the two communities in Afrikaans.</p>	<p>Shawn Johnston: Yes, I will present the information in Afrikaans.</p>
<p>Willem Goedeman: I will ensure the background information documents are distributed to the broader community.</p>	<p>Shawn Johnsnton: We appreciate it.</p>

WAY FORWARD AND CLOSURE

Shawn Johnston and Alicia Govender thanked Willem Goedeman for the opportunity to clarify the proposed Eskom Kleinsee Wind Energy Facility project.

The meeting ended at 12h30.



**SUSTAINABLE
FUTURES ZA**

PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY ENVIRONMENTAL IMPACT ASSESSMENT

FOCUS GROUP MEETING

NOTES OF FOCUS GROUP MEETING

Held on
Thursday, 13 October 2011,
Buffelsriver Community

Savannah Environmental (Pty) Ltd

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Sustainable Futures ZA

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Notes for the Record prepared by:

Sustainable Futures ZA & Savannah Environmental

Please address any comments to Shawn Johnston at the above address.

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY

Venue: Buffelsrivier Community Hall
Date: Thursday, 13 October 2011
Time: 10h00 – 11h00

WELCOME AND INTRODUCTION

Councillor Willem Goedeman opened the focus group meeting with a prayer. Shawn Johnston, the process facilitator welcomed all the stakeholders present for the opportunity to meet and clarify the proposed Eskom Kleinsee Wind Energy Facility project. He introduced the Eskom and Savannah Environmental team members. Shawn Johnston then requested all the interested and affected parties present to introduce themselves and state their interest.

MEETING ATTENDEES

Name	Organisation & Position
Shawn Johnston	Sustainable Futures ZA- Public Participation Specialist
Willem Goedeman	Ward Councillor Namakhoi Municipality
Alicia Govender	Savannah Environmental
Tammy Kruger	Savannah Environmental
Tobile Bokwe	Eskom
Ivan Radebe	Eskom
Reggie Chippie	Eskom
Yaron Truter	Eskom
Isaac Blou	Eskom
K. Cloete	Resident Buffelsrivier
D. Cloete	Resident Buffelsrivier
S. Engelbrecht	Resident Buffelsrivier
F. Carolus	Resident Buffelsrivier
M. Ruiter	Resident Buffelsrivier
R. Carolus	Resident Buffelsrivier
E. Ruiter	Resident Buffelsrivier
H. Ruiter	Resident Buffelsrivier
J.H. Boyce	Resident Buffelsrivier
E.Cloete	Resident Buffelsrivier
S.Damon	Resident Buffelsrivier

Name	Organisation & Position
R. Nero	Resident Buffelsrivier
Suzaan Boyce	Resident Buffelsrivier
Megan Huskitt	Resident Buffelsrivier
Miriham Ruiter	Resident Buffelsrivier
Aubrey Damon	Resident Buffelsrivier
Hannie Whitlow	Resident Buffelsrivier
Elmarie Julie	Resident Buffelsrivier
Magdalena Cloete	Resident Buffelsrivier
Johanna Bugar	Resident Buffelsrivier
Benjamin Ruiter	Resident Buffelsrivier
Hilgaardt Ruiter	Resident Buffelsrivier
John Cloete	Resident Buffelsrivier
Albert Burger	Resident Buffelsrivier
Vivian Whitlow	Resident Buffelsrivier
Velma Huskitt	Resident Buffelsrivier
Ursula Cloete	Resident Buffelsrivier
Daniel Cloete	Resident Buffelsrivier
Caydene Ruiter	Resident Buffelsrivier
Melizna Willemse	Resident Buffelsrivier
Shireen Willemse	Resident Buffelsrivier
Margeret Witbooi	Resident Buffelsrivier
Katriena Boyce	Resident Buffelsrivier
Myrtle Cloete	Resident Buffelsrivier
Wilmari September	Resident Buffelsrivier
Dina Cloete	Resident Buffelsrivier
Maureen Engelbrecht	Resident Buffelsrivier
Veronica Cloete	Resident Buffelsrivier
M. Cloete	Resident Buffelsrivier
J. Whitlow	Resident Buffelsrivier
Annie Ruiter	Resident Buffelsrivier
Renna Rustoff	Resident Buffelsrivier
Nadia Boyce	Resident Buffelsrivier
Sofia Boyce	Resident Buffelsrivier
Raynita Field	Resident Buffelsrivier
Shannon Cloete	Resident Buffelsrivier
Florie Boois	Resident Buffelsrivier
Pauline Bugar	Resident Buffelsrivier
Ettiene Field	Resident Buffelsrivier
Dominic Bugar	Resident Buffelsrivier
Charlton Whitlow	Resident Buffelsrivier

APOLOGIES

No apologies were received.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Shawn Johnston presented the findings of the studies undertaken to date for the proposed Eskom Kleinsee Wind Energy Facility to the Buffelsriver community in Afrikaans (refer to Appendic A).

DISCUSSION SESSION

Question / Comment	Response
Benjamin Ruiter: How many jobs will Eskom create with this project?	Reggie Chippie: At this stage we are doing the environmental impact assessment process. The full benefits of the project will emerge as it is developed. We do not want to make promises and create expectations that are not true. We will inform and communicate with the community as the project develops. Shawn Johnston: Eskom are doing a number of parallel studies to ascertain if it is possible to develop this proposed wind energy project.
Benjamin Ruiter: Will there be opportunities for the local community?	Reggie Chippie: As with all Eskom projects, there are a number of opportunities for local communities. Eskom will investigate and develop local opportunities with the local community through the Eskom Development Foundation.
Dominic Bujan: We are keen to learn and know more about this project, however we need to know what the benefits of such a project would be for the people of Buffelsrivier. The communities of Buffelsrivier and Komaggas are the two closest communities to the proposed Eskom Kleinsee wind energy project. Please	Shawn Johnston: This point is noted. The social impact assessment within the environmental impact assessment process will clarify the needs and concerns of the local communities. Reggie Chippie: We note your comment.

Question / Comment	Response
note Kleinsee is not a town, it's a mining area were the mine has closed down, so there is nothing.	
Dominic Bugar: We need jobs and long term sustainability.	Shawn Johnston: Comment noted.
Dominic Bugar: We have large scale unemployment and poverty in the towns of Buffelsriver and Komaggas. Please note the circumstances of the area and we require development. We are not looking for hand outs; we need development that would benefit our communities.	Shawn Johnston: Comment noted.
Aubrey Damon: We need to know what Eskom's developments would entail and how these will benefit the communities. We have had many promises of development. The mining industry is dead. Our people are living in poverty.	Shawn Johnston: Comment noted.
Vivien Cloete: We need to know what kind of opportunities would be created for our youth. Will there be opportunities for our youth to develop and become educated?	Shawn Johnston: Comment noted. This will be clarified through the SIA process.
Ettiene Field: Please keep us informed about how your project develops. We would be interested in job creation and education opportunities for our local communities.	Shawn Johnston: We will ensure that the community of Buffelsrivier and Komaggas are informed as part of the public participation process.
Ettiene Field: Please note the historical disadvantages of the area. This area was mined for a long period and all the wealth of the area was taken away and today we sit with nothing. Eskom needs to demonstrate its good intentions and illustrate the benefits of the proposed wind energy project to the broader community. We need tangible projects and benefits. Please do not make promises.	Shawn Johnston: Comment noted.
Willem Goedeman: Please note the comments made by the community. We	Shawn Johnston: These comments are noted and will go into the draft scoping report. All of the

Question / Comment	Response
have real needs and we are one of the closest communities to the proposed Eskom project.	comments noted in this session are noted for Eskom to integrate in its project development and the social impact assessment.
Willem Goedeman: Eskom needs to educate us about the project, create relationships with the community and demonstrate goodwill.	Shawn Johnston: Noted.
Benjamin Ruiters: Thank you for the information you shared about the proposed project. Please keep us informed about the opportunities for our communities and development.	Shawn Johnston: Noted.
Shawn Johnston: Where should we place and make the environmental impact assessment reports available to the community.	Willem Goedeman: Please send the reports to the Buffelsrivier Service Point at the Namakhoi Municipal office next to the Buffels Rivier Post Office. All notices can be placed there as well. Please make sure it is in Afrikaans.

WAY FORWARD AND CLOSURE

Shawn Johnston thanked the Buffelsriver Community members for registering as interested and affected parties and for the opportunity to clarify the the proposed project. He encouraged all present to review the draft scoping report and provide the team with their inputs.

The meeting ended at 11h00.



**SUSTAINABLE
FUTURES ZA**

PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY ENVIRONMENTAL IMPACT ASSESSMENT

FOCUS GROUP MEETING

NOTES OF FOCUS GROUP MEETING

Held on
Thursday, 13 October 2011,
Komaggas Community

Savannah Environmental (Pty) Ltd

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Notes for the Record prepared by:

Sustainable Futures ZA & Savannah Environmental

Please address any comments to Shawn Johnston at the above address.

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY

Venue: Komaggas Municipal Community Hall

Date: Thursday, 13 October 2011

Time: 12h00 – 12h30

WELCOME AND INTRODUCTION

Councillor Willem Goedeman opened the focus group meeting with a prayer. Shawn Johnston, the process facilitator welcomed all the stakeholders present for the opportunity to meet and clarify the proposed Eskom Kleinsee Wind Energy Facility project. He introduced the Eskom and Savannah Environmental team members. Shawn Johnston then requested all the interested and affected parties present to introduce themselves and state their interest.

MEETING ATTENDEES

Name	Organisation & Position
Shawn Johnston	Sustainable Futures ZA- Public Participation Specialist
Willem Goedeman	Ward Councillor Namakhoi Municipality
Alicia Govender	Savannah Environmental
Tammy Kruger	Savannah Environmental
Tobile Bokwe	Eskom
Ivan Radebe	Eskom
Reggie Chippie	Eskom
Yaron Truter	Eskom
Isaac Blou	Eskom
Mandla Mbusi	Eskom
Rodville Adams	Komaggas Ward Committee & Tour Guide
Annie Milford	Resident Komaggas
Catherine Berg	Resident Komaggas
Cathy Cloete	Resident Komaggas
P. Damon	Resident Komaggas
Juliana Bates	Resident Komaggas
Monica Damon	Resident Komaggas
Louisa Clarke	Resident Komaggas
Jonnie Cloete	Resident Komaggas
S. Damon	Resident Komaggas

Name	Organisation & Position
S. Cloete	Resident Komaggas
Cyril Bugan	Resident Komaggas
Ronwin Fortuin	Resident Komaggas
Margie Landrew	Resident Komaggas
Jacobus Cloete	Resident Komaggas
William Cloete	Resident Komaggas
E.V. Cloete	Resident Komaggas
K. Cloete	Resident Komaggas
L.O. Milford	Resident Komaggas
R. Milford	Resident Komaggas
B.D. Cloete	Resident Komaggas

APOLOGIES

No apologies were received.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Shawn Johnston presented the findings of the scoping studies undertaken to date for the proposed Eskom Kleinsee Wind Energy Facility to the Komaggas Community in Afrikaans (refer to Appendix A).

DISCUSSION SESSION

Question / Comment	Response
Rodville Adams: I hope that this is not just a talk shop whereby you talk to the local communities during the public participation process and when the project is launched then the local community do not benefit. Please do not use the local community.	Shawn Johnston: Comment noted.
Cathy Cloete: I have read that the wind energy facility can affect rainfall and climate change. For us as a community rainfall is extremely important for household and farming use. Will this	Shawn Johnston: Let us note the question. I would like the team from Savannah Environmental and Eskom to clarify this question in the EIA process.

Question / Comment	Response
project affect our rainfall in this area?	
Sarah Cloete: We are keen to know what is written in the draft scoping report. Please ensure it is made available for the community of Komaggas. We want to review and comment on the report.	Shawn Johnston: Savannah Environmental will make sure the report is sent to the Komaggas Service Point. So the draft scoping and draft environmental impact assessment report will be available for the communities of Komaggas, Buffelsrivier, Kleinsee and Springbok. We can make it available on CD and in a hardcopy.
Cyril Bagan: How long will it take before you start the project?	Shawn Johnston: It is a process of doing various studies and completing a number of applications. It can take anywhere between 2-3 years before any development take place.
Cyril Bagan: How long will the project be operational?	Shawn Johnston: For about 20-25 years.
Shawn Johnston: We are at the beginning of the environmental impact assessment process. We need to have follow-up focus groups sessions with the community and additional public meetings with the communities of Komaggas, Buffelsrivier and Kleinsee.	Noted.
Sarah Cloete: Eskom has a strong interest in this area. Eskom looked at a possible nuclear power station, which we did not support. It seems Eskom want to be here. Why does Eskom like this area so much?	<p>Shawn Johnston: As part of Eskom's nuclear energy programme the site at Brazil was identified as a possible site. Eskom is currently looking at a site at Thyspunt in the Eastern Cape for possible development.</p> <p>The current property at Brazil is state property under the curatorship of the Department of Public Works in Kimberley. The site is remote and there is an excellent wind resource in the area. The site is also very close to the Eskom grid for integrating the facility into the Northern Cape network.</p> <p>Reggie Chippie: We have looked at a number of sites throughout South Africa and the area identified for the environmental study has one of the best wind resources in South Africa.</p>
Sarah Cloete: Must your wind energy facility be on state property?	Shawn Johnston: In the case of Eskom, the utility needs to own the property. Eskom do not lease property and in the case of the Brazil property it

Question / Comment	Response
	<p>is under curatorship of the Department of Public Works. So this helps facilitate the process.</p> <p>Reggie Chippie: If it is state property, it does not mean that Eskom can obtain it automatically. Eskom needs to negotiate with the Department of Public Works or any other state department and purchase the properties for its projects.</p>
<p>Sarah Cloete: I have a problem with the proposed project on the Brazil property. The community of Komaggas has put in a land claim against this property. This now make us quite concerned. We have heard that the property was awarded to the community of Komaggas.</p>	<p>Shawn Johnston: This is the first time we get to hear about the land claim from the community of Komaggas. We need to clarify this statement.</p>
<p>Sarah Cloete: I can see a situation where the community of Komaggas and Eskom are in a conflict over a land claim.</p>	<p>Shawn Johnston: The Eskom team need to clarify whether they are aware of the land claim as identified in the focus group meeting.</p> <p>Sarah Cloete: This is a historical claim from the Komaggas Community.</p> <p>Shawn Johnston: As part of this process we need clarity what state department is dealing with the land claim case from the community of Komaggas. We need to clarify if the Department of Land Affairs and Public Works are aware of the process. We need to clarify if the community of Komaggas has been awarded a land claim. This needs to be clarified with the lawyers of the Komaggas community and the South African Government.</p>
<p>Sarah Cloete: This land claim case is being handled by the local Komaggas Land Claims Committee and the Legal Resources Centre in Cape Town. Please liaise on the Komaggas land claim committee.</p>	<p>Shawn Johnston: Reggie Chippie from the Eskom will clarify the matter of the Komaggas land claim on the property at Brazil. It is crucial that that we clarify all concerns raised.</p>
<p>Cyril Bagan: This land claim has divided the community of Komaggas since 1998. We have a conflict in the</p>	<p>Shawn Johnston: We need to clarify all the points raised about the land claim.</p>

Question / Comment	Response
community about the land claim. There are two land claims.	
Willem Cloete: Two years ago the farms Brazil and Spektakel were offered to the community of Komaggas by the Department of Land Affairs in Kimberley. This was part of the land claim.	Shawn Johnston: We need to clarify all of the land claims issues as raised in this meeting.
Willem Cloete: The Department of Land Affairs started identifying possible agricultural projects with the community.	Shawn Johnston: We need to clarify who is dealing with the land claims in Komaggas and from the side of the South African Government. As indicated earlier, Reggie Chippie from Eskom will clarify the land claims.
Shawn Johnston: Follow-up is needed with the Komaggas Community, Komaggas Commonage Association, and KARUSAP.	Noted.
Mandla Mbusi: Normally the local ward councillor would know about these land claims processes. Maybe he can clarify it.	Willem Goedeman: I have no comment on the matter. Please go and clarify the matter with the relevant parties. I am here as an observer and cannot comment.
Sarah Cloete: I want Eskom to go and look at alternative sites for their proposed wind energy facility. Eskom should not be competing with the Komaggas Community over the Brazil Farm. We want a good relationship with Eskom. We do not want conflict with Eskom.	Shawn Johnston: Comment noted.
Paulus Damon: I am concerned about Eskom's proposed project at Brazil and it would affect our land claim. The community would like to explore the Brazil area for diamonds and other resources.	Shawn Johnston: Comment noted.
Paulus Damon: Would Eskom be interested in a landswop for the Brazil property?	Shawn Johnston: Thank you for this point. Let Eskom follow-up on this question of a landswop.
Paulus Damon: We are not against the Eskom project. We just do not want to see it on the Brazil property were we intend to mine diamonds.	Shawn Johnston: Comment noted.

Question / Comment	Response
Margie Landrew: If Eskom is awarded the wind energy facility will it support youth and youth development and education?	Shawn Johnston: Eskom has the Eskom Foundation that will deal with all of this type of request. The Eskom team would have to clarify its social responsibility programme.
Shawn Johnston: Thank you for all your comments and frank inputs on the proposed project.	

WAY FORWARD AND CLOSURE

Shawn Johnston thanked the Komaggas Community members for registering as interested and affected parties and for the opportunity to clarify the the proposed project. He encouraged all present to review the draft scoping report and provide the team with their inputs.

The meeting ended at 12h30.



**SUSTAINABLE
FUTURES ZA**

PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY ENVIRONMENTAL IMPACT ASSESSMENT

PUBLIC MEETING

NOTES OF PUBLIC MEETING

Held on
Thursday, 13 October 2011,

Kleinsee

Savannah Environmental (Pty) Ltd

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Notes for the Record prepared by:

Sustainable Futures ZA & Savannah Environmental

Please address any comments to Shawn Johnston at the above address.

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: PROPOSED ESKOM KLEINSEE WIND ENERGY FACILITY

Venue: Kleinsee Recreation Club Hall
Date: Thursday, 13 October 2011
Time: 18h00 – 19h00

WELCOME AND INTRODUCTION

Shawn Johnston, the process facilitator welcomed all the stakeholders present for the opportunity to meet and clarify the proposed Eskom Kleinsee Wind Energy Facility project. He introduced the Eskom and Savannah Environmental team members. Shawn Johnston then requested all the interested and affected parties present to introduce themselves and state their interest.

MEETING ATTENDEES

Name	Organisation & Position
Shawn Johnston	Sustainable Futures ZA- Public Participation Specialist
Alicia Govender	Savannah Environmental
Tammy Kruger	Savannah Environmental
Egan Davids	Eskom
Victor Cloete	Ward Committee Member Namakhoi Municipality
A.Jonker	Kleinsee Farmer
Willem Cloete	Ward Councillor Namakhoi Municipality
Erna Struwig	Eskom
Izak Rumboll	C.K. Rumboll and Partners
Hannes Visser	Daisy Nursery
Jannie Mostert	Kleinsee Farmer
Rob Blake	De Beers Kleinsee Operations
Richard Burden	Businessman
Gideon de Waal	Eskom
Robert Adonis	Eskom
Tobile Bokwe	Eskom
Ivan Radebe	Eskom
Reggie Chippie	Eskom
Yaron Truter	Eskom
Isaac Blou	Eskom

APOLOGIES

No apologies were received.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Ivan Radebe presented the Eskom Kleinsee project to the interested and affected parties present. Shawn Johnston presented the findings of the scoping study to date for the proposed Eskom Kleinsee Wind Energy Facility in Afrikaans (refer to Appendix A).

DISCUSSION SESSION

Question / Comment	Response
Hannes Visser: How long before you start building?	Ivan Radebe: It can take 3-4 years on average.
Hannes Visser: How sure are you that this project will happen?	Ivan Radebe: We are investigating the full extent of the project and we need to clarify all aspects of the project. It is not guaranteed.
Rob Blake: How long will the construction period be?	Ivan Radebe: The construction period could be 2-3 years.
Rob Blake: How many jobs will there be during construction?	Ivan Radebe: About 150-300 jobs during the construction period for 100MW. This might not be a reflection of what will happen in South Africa.
Rob Blake: How many jobs in steady state?	Reggie Chippie: About 30 persons.
Rob Blake: What is the full operational period for the project?	Reggie Chippie: About 20-25 years.
Rob Blake: Where will all of the specialist and employees be accommodated during construction and steady state?	Reggie Chippie: We need to complete our studies. However the Koingnaas and Kleinsee areas look like a possibility. The social impact assessment will help clarify this question.
Hannes Visser: Would it be possible for local stakeholders to buy shares into the proposed Eskom wind energy facility?	Ivan Radebe: No it would not be possible. The Government is the only shareholder in Eskom.
A. Jonker: Where are you going to get your potable water from for the construction and operational phases?	Ivan Radebe: We are doing a number of studies to determine the source of water and the amounts required. We are looking at various

Question / Comment	Response
	options from boreholes, a pipeline from the municipality and saltwater desalination. We are in talks with the Department of Water Affairs. These studies are on-going.
A. Jonker: Will the area be fenced and will there be security?	Erna Struwig: Yes it will be fenced and it will have security similar to all Eskom facilities.
A. Jonker: Will there be predator control on the site?	Erna Struwig: Yes Eskom will work with the local farmers to deal with problem animals.
Willem Giedeman: How big is site footprint?	Erna Struwig: It's about 8682ha.
Dudley Wessels: There are specific rare plant species at Brazil. What are your plans with those areas? There might be a clash with the placement of your wind monitoring mast and wind turbines.	<p>Reggie Chippie: The specialist studies, the environmental authorisation, the environmental management plan and the conditions of these would inform us on how we need to do our micro siting and layout.</p> <p>Tammy Kruger: The environmental authorisation will be clear on no go areas and the environmental management plan will put mitigation measures in place to deal and avoid sensitive areas.</p>
Dudley Wessels: Will you upgrade the road infrastructure for your project?	Reggie Chippie: A full traffic impact assessment needs to be done to determine what is required.
Dudley Wessels: I see in your Koingnaas Basic Assessment report there is no enthomological study done. Will you be doing such a study for the Brazil site? This is needed for your rehabilitation programme.	<p>Shawn Johnston: Thank you for that comment, and sharing your indigenous knowledge of the area.</p> <p>Alicia Govender: Thank you for this note, we will consider it.</p>
Rob Blake: What is the investment Eskom will make on the 300MW facility?	<p>Ivan Radebe: At this point in time it's difficult to say.</p> <p>Rob Blake: The ballpark figure I received is about R3.6 billion for the Kleinsee project.</p> <p>Isaac Blou: We are in a process of developing the project and finalising the costing.</p>

WAY FORWARD AND CLOSURE

Shawn Johnston thanked all for the opportunity to clarify the proposed project and encourage all to review the draft scoping report and provide the team with their inputs and comments.

The meeting ended at 19h00.



SUSTAINABLE
FUTURES ZA

07 December 2011

Dear Stakeholder

**PROPOSED KLEINZEE 300MW WIND FARM,
NORTHERN CAPE PROVINCE
(DEA Ref No. 12/12/20/2212)**

**NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS AND INVITATION
TO VIEW DRAFT SCOPING REPORT- DELAY IN RELEASE OF REPORT**

Eskom Holdings SOC Limited is proposing the establishment of a wind energy facility and associated infrastructure on a site located approximately 6 km south of Kleinzee in the Northern Cape Province, within the Nama Khoi Local Municipality. The larger site covers an area of approximately 8 682 ha. The proposed facility will be known as the Kleinzee 300 MW Wind Farm and is proposed to have an installed capacity of up to 300MW. Each turbine will have a **steel or concrete tower** up to 40m in height, a **nacelle (housing generators and control motors amongst others)** and three **rotor blades** with a rotor diameter of up to 140 m (i.e. each blade up to 65 m in length with hub having diameter of up to 10m).

Other infrastructure associated with the wind energy facility is proposed to include:

- » **Concrete foundations** to support the wind turbines
- » **Cabling** between the turbines to be lain underground where practical
- » An on-site **substation** to facilitate the connection between the facility and the electricity grid
- » An **overhead power line** (400kV) feeding into Eskom's electricity grid at Gromis Substation (Gromis Substation is situated approximately 16 km from the proposed site)
- » Internal **access roads(untarred)** between wind turbines
- » **Borrow pits** within the site for the construction materials for use of access roads
- » **Office/Workshop** area for maintenance and storage
- » **Information centre**
- » A possible **desalination plant**¹ to de-salt water to be used for the construction phase

INVITATION TO REVIEW THE DRAFT ENVIRONMENTAL SCOPING REPORT

A Draft Scoping Report has been prepared by Savannah Environmental and was planned to be available for public review from 05 December 2011. However, the release of this report has been delayed due to unforeseen circumstances. The revised period for review is **12 December 2011 to 30 January 2012**. You are invited to review the report at one of the following locations during the review period:

¹ To be investigated as a possible water supply source

- » Kleinsee Tourism Centre (adjacent to museum)
- » Buffelsrivier office of the Nama Khoi Municipality
- » Komaggas office of the Nama Khoi Municipality
- » Springbok Library
- » www.savannahsa.com
- » www.eskom.co.za/eia

Please submit any written comments to Sustainable Futures ZA no later than 30 January 2012. Comments can be made as written submission via fax, post or e-mail.

Please submit your comments to
Shawn Johnston of Sustainable Futures ZA P.O. Box 749, Rondebosch, Cape Town, 7701 Tel: 083 325 9965 Fax: 086 510 2537 Email: swjohnston@mweb.co.za

All comments received will be included in the Final Scoping Report, which will be submitted to the National Department of Environmental Affairs (DEA) for review and comment.

We do apologise for any inconvenience caused.

Yours sincerely,
Shawn Johnston
Public Participation Process Facilitator
(not signed via email/fax)



agriculture, forestry & fisheries

Department:
Agriculture, forestry & fisheries
REPUBLIC OF SOUTH AFRICA

Directorate Land Use and Soil Management, Private Bag x120, Pretoria, 0001
Delpen Building, c/o Annie Botha & Union Streets, Riviera

From: Director: Land Use and Soil Management

Tel: (012) 319 7634 ☐☐Fax: (012) 329 5938 ☐☐e-mail: agriland@nda.agric.za

SAVANNAH ENVIRONMENTAL (PTY) LTD
P.O. Box 148
SUNNINGHILL
GAUTENG
2157

2011/12/19

Dear Sir/Madam

This serves as a notice of receipt and confirms that your application has been captured in our electronic AgriLand tracking and management system. It is strongly recommended that you use the on-line AgriLand application facility in future.

Detail of your application as captured:

Type: **EIA**

Your reference number: **12/12/20/2212**

Dated: **12 DECEMBER 2011**

Please use the following reference number in all enquiries:

AgriLand reference number: 2011_12_0200

Enquiries can be made to the above postal, fax or e-mail address.

Yours sincerely,

L. Mongoato
pp DIRECTOR: LAND USE AND SOIL MANAGEMENT

Online application available at: <http://www.agis.agric.za/agriland>

ELRICO GODFREY BOOYSEN
84 Middle Street
PO Box 137
Nelspoort
6973
South Africa

Shawn Johnston
Sustainable Futures ZA
PO Box 749
Rondebosh
Cape Town, 7701
South Africa

Dear Sir

**PUBLIC PARTICIPATION PROCESS/
Environmental Impact Assessment Process**

PROJECT: Erection of a 300Mw-Windfarm and Associate Infrastructure on a Site close to Kleinzee, Northern Cape Province.

DEA Reference No.: 12/12/20/2212

I wish to register as an interest party to this mentioned proposed wind farm and Infrastructure Development which shall take place in the Northern Cape Province and would like to access more information to this process.

Attached find a copy of the Invite for public participation process published in the print media.

Seeing forward to being part of this process,

Best regards



EG Booysen
Cell: 076 645 1985
Date: 25 October 2011

**KENNISGEWING VAN 'N OMGEWINGSIMPAKEVALUERINGSPROSES
OPENBARE DEELNAMEPROSES****PROJEK: OPRIGTING VAN 'N 300 MW-WINDPLAAS EN
GEPAARDGAANDE INFRASTRUKTUUR OP 'N TERREIN NABY
KLEINZEE, NOORD-KAAPPROVINSIE
DEA-Verwysingsnommer 12/12/20/2212**

Voorgestelde Aktiwiteit: Die oprigting van 'n windplaas en gepaardgaande infrastruktuur op 'n terrein naby Kleinsee in die Noord-Kaapprovinsie. 'n Breër gebied van ongeveer 9 300 ha word oorweeg waarbinne die aanleg opgerig sal word. Die voorgestelde aanleg sal oor 'n opwekkingsvermoë van sowat 300 MW beskik.

Applikant: Eskom Holdings Bpk.

Ingevolge Hoofstuk 5 van die Nasionale Wet op Omgewingsbestuur (NEMA) (Wet 107 van 1998) word 'n OIE verlang. Die projek is by die Nasionale Departement van Omgewingsake geregistreer onder Aansoekverwysingsnommer **12/12/20/2212**.

Uitnodiging na Openbare Vergaderings: U word hiermee genooi om die openbare vergadering by te woon waar meer inligting rakende die voorgestelde projek verskaf sal word. Die vergadering is soos volg geskeduleer:

Datum: Donderdag, 13 Oktober 2011

Tyd: 17:00-18:30

Plek: Kleinsee Rekreasieklub

Die openbare vergadering kan deur enige belangstellende persone bygewoon word. Hoewel u nie verplig word om vir die bywoning van die vergadering te registreer nie, sal dit waardeer word as u voor of op **Donderdag 13 Oktober 2011** sal bevestig of u dit sal bywoon, aan:

Shawn Johnston van Sustainable Futures ZA
Posbus 749, Rondebosch, Kaapstad, 7701
Tel. 083 325 9965
Faks 086 510 2537
E-pos: swjohnston@mweb.co.za
www.savannahSA.com





water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA

WATER AFFAIRS PROVINCIAL OFFICE: NORTHERN CAPE
LOWER ORANGE WATER MANAGEMENT AREA
Private X5912, Upington, 8800
Louisvale Road, Upington

F ☒ (054) 334 0205
E ☒ cloetes@dwa.gov.za

✉ S.C.Cloete
☎ (054) 338 5800
📁 27/2/11/F30G/1/212

Savannah Environmental Pty Ltd
14 Eglin Road
P.O.Box 148
Sunninghill
Gauteng
2157



Attention: Alicia Govender

Dear Sir / Madam

**PROPOSED KLEINZEE 300 MW WIND ENERGY FARM SOUTH OF KLEINZEE,
LOWER ORANGE WATER MANAGEMENT AREA, NORTHERN CAPE**

The Department of Water Affairs (DWA) hereby acknowledges receipt of your EIA scoping report regarding the proposed 300 Mw Wind Energy Farm South of Kleinzee. The proposed plant will be located on the property; Remaining Extent of Goraap 323; Remaining Extent of Honde Vlei 325; Remaining Extent Kannabieduin 324 and Portion 4 of Rooivlei 326 that is on quaternary catchment F30A.

The water user / developer is expected to assess all the potential water uses [associated with the development] as defined under section 21 of the National Water Act, 1998 [Act 36 of 1998]. All identified water uses will need to be authorised in terms of section 40 of the National Water Act unless such a water use is permissible under section 22 of the Act.

Our assessment indicates that quaternary drainage region F40A is excluded from General Authorisations for taking of water from a [ground] water resource [as extended under Notice 837 in the Government Gazette of 23 September 2010]. Kindly note that energy developments / projects are not part of small industrial users and as such cannot be entitled to the water use allowance set aside for small industrial users as determined by the General Authorisation.

Activities that might have an impact on water resources such as (i) storm water management (ii) waste management (iii) sanitation (iv) sedimentation and erosion (where it is not defined as a water use) (v) storage of hazardous substances, should be managed and mitigated as stated in the EMP of the Proposed Project. The Department

will be content with the inclusion of these proposed management and mitigation measures in the environmental management plan for the project. Kindly note that any deviations to these measures should be communicated to DWA in writing.

Due to the high number of renewable energy projects that are taking part in the Department of Energy [DOE] bidding process, the Department [DWA] has resolved to only processing applications for water use authorisations received from developers who have attained preferred bidder status. Developers who wish to submit applications for water use authorisations may however proceed to do so, with the understanding that their applications will be processed as soon as we have confirmation of their status with the DOE. Attached to this letter is annexure 1 that details information, which must be submitted as part of the application for water use authorisation.

As part of the requirements for the DOE proposals, the Department [DWA] will issue non-binding letters to water users / bidders as required under clauses 2.4.4.1.2. and 2.4.4.1.3 of Part B: Qualification Criteria of Tender Number DOE/001/2011/2012. The information required by the Department in order to issue the non-binding letters is contained on the attached annexure 2 [notes on the confirmation to be provided by DWA on water availability on request from bidders in the REFIT programme]

Yours faithfully



CHIEF DIRECTOR: PROVINCIAL OFFICE NORTHERN CAPE

DATE: 06-02-2012

Annexure 1

INFORMATION TO BE SUBMITTED AS PART OF WATER USE LICENSE APPLICATIONS

Application Forms

- Part 1 Application Forms**
- Supplementary Forms**

Property Details

- Title Deed(s) of Property(ies)**
- Letter of Consent of Land Owner**
- Lease Agreement (where applicant is not the registered owner of the property)**

Legal Entity

- Certified Copy of Identity Document/Company Registration Certificate**

BBBEE

- (Information submitted as part of NERSA/National Treasury bid will suffice)**
- Social and Labour Plan (Job Creation/Social Investment)**
- Proof of BEE Status**
- Copy of Share Certificates**
- Details of HDI Partners/Beneficiaries**

Other Regulatory Requirements

- Copy of Environmental Impact Assessment Report**
- Copy of Environmental Authorization (Record of Decision)**
- Copy of NERSA Licence/Proof of Bid Allocated by National Treasury**
- Viability/feasibility reports**

Water Resource Technical Report

- Water requirements and availability**
- Water balance**
- Design drawings**
- Water use efficiency**
- Integrated water and waste management plan (pollution control; emergency preparedness, etc.)**
- Section 27 NWA Motivation**

Annexure 2

Notes on the confirmation to be provided by DWA on water availability on request from bidders in the REFIT programme

On written request to the Regional Head of the relevant Regional Office of the Department of Water Affairs (DWA), and after a consultation with the intended water user and after a subsequent investigation into the matter, it will be determined whether a specific volume of water would be available in a specific water resource in a specific area. It is however recognized that water use for renewable energy projects will be treated as strategic water use.

If it is found that water could be made available depending on certain processes, a non-binding written confirmation of the availability of that volume of water will be issued by the DWA to those who requested it.

It should however be understood that for a water use licence to be issued, apart from water availability, a number of other requirements are necessary to comply with as prescribed in the National Water Act (Act 36 of 1998) (NWA), and this indication that water may be available should not be regarded as confirmation of or a guarantee that a water use licence will eventually be issued. The responsibility will then rest on the intended water user to comply with all other reasonable requirements in terms of the NWA before a licence could be issued.

This indication of water availability would be provided only after the "Pre-application Consultation" has taken place, which is compulsory for any person with the intention of applying for a water use licence.

The function of the Pre-application Consultation is to inform the prospective water user of the process to be followed and what will be required should the prospective water user decides to apply for a water use licence. In this specific case the Pre-application Consultation must produce the necessary information to enable the Regional Head to decide whether he/she could make such a confirmation that water availability will not prevent the issuance of a licence, if it happens that the applicant's bid to National Treasury is successful. The licence applications of successful bidder(s) will then be required, processed and considered for approval by the Minister's delegated official.

Attached in Appendix A is a list with contact information of the nine Regional Offices of the DWA. An appointment should be made at the relevant Regional Office with the official responsible for water resource

management in the specific area where the water use(s) is intended to be undertaken.

In preparation for the Pre-application Consultation, the intended water user must gather at least the following information and have it available in written form, to be discussed and to be submitted after the consultation:

- Name and description of the water resource to be utilised.
- The amount of water to be taken per year, expanded into monthly figures.
- The exact point (co-ordinates) where the water is planned to be taken from the water resource.
- Property descriptions where the water will be taken from the water resource as well as where it will be utilised, with suitable locality plans.
- Name and relevant information of the person or legal entity who will be the water user.
- If the water is to be taken on or transported over property not belonging to the water user, an indication of the likelihood that permission will be granted by the relevant owners.
- A short summary of the following:
 - How the water will be utilised and the processes involved, from where the water is taken from the resource to where it is either disposed of or discharged. It should be stated clearly whether wet cooling or dry cooling will be used.
 - The planned infrastructure for the taking and transportation of the water from the water resource to the plant.
 - Any impacts on streams and watercourses by roads, pipelines, etc.

Contact Information of Regional Offices: Department of Water Affairs

Eastern Cape

Eastern Cape Region
Private Bag X7485
KING WILLIAM'S TOWN
5600

Telephone: (043) 604 5400

Regional Head: Mr Ashley Starkey (Acting)

Free State

Free State Region
PO Box 528
BLOEMFONTEIN
9300

Telephone: (051) 405 9000

Regional Head: Mr Tseliso Ntuli

Gauteng

Gauteng Region

Telephone: (012) 392 1300

Private Bag X995
PRETORIA
0001
Regional Head: Mr Hennie Smit (Acting)

Kwazulu-Natal

Kwazulu-Natal Region
PO Box 1018
DURBAN
4000

Telephone: (031) 336 2700

Regional Head: Mr Thys Badenhorst (Acting)

Limpopo

Limpopo Region
Private Bag X9506
POLOKWANE
0700

Telephone: (015) 290 1200

Regional Head: Mr Alson Matukane

Mpumalanga

Mpumalanga Region
Private Bag X11259
NELSPRUIT
1200

Telephone: (013) 759 7300

Regional Head: Mr Fanyana Mntambo

North West

North West Region
Private Bag X5
MMABATHO
2735

Telephone: (018) 384 3270

Regional Head: Ms Marie Brisley (Acting)

Northern Cape

Northern Cape Region
Private Bag X6101
KIMBERLEY
8300

Telephone: 053 836 7600

Regional Head: Mr A Abrahams

Western Cape

Western Cape Region
Private Bag X16
SANLAMHOF
7532

Telephone: (021) 950 7100

Regional Head: Mr Rashid Khan