

31 July 2018

Dear Stakeholder

**APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
KARREEBOSCH WIND FARM AND ASSOCIATED INFRASTRUCTURE, NORTHERN AND WESTERN
CAPE PROVINCES
DEA REF. 14/12/16/3/3/2/807**

NOTIFICATION OF AVAILABILITY OF THE AMENDMENT MOTIVATION REPORT FOR REVIEW

Karreebosch Wind Farm (Pty) Ltd received an Environmental Authorisation (EA) for the construction of the Karreebosch Wind Farm and associated infrastructure in the Northern and Western Cape Provinces (DEA Ref: 14/12/16/3/3/2/807) on the 29th of January 2016.

The project is intended to be bid into the future rounds of the Department of Energy's (DoE) Renewable Energy Independent Power Producers Procurement (REIPPP) Programme, the next round of which is expected to be in November 2018. There have been advancements to wind turbine technology since the issuing of the EA, and the wind turbines which have already been authorised will no longer be technically viable for the project in terms of production and economic viability of the project. In this regard, the applicant is considering an updated turbine model for the project and is proposing the following:

- » an increase in the rotor diameter for each turbine from 140m, to up to 160m;
- » an increase in the hub height from 100m, to up to 125m; and
- » an increase the generating capacity of each turbine from 2MW - 3.3MW, to 2MW up to 5.5MW.

These amendments are proposed in order to increase the efficiency of the facility and consequently the economic competitiveness thereof. The proposed amendments in themselves are not listed activities and do not trigger any new listed activity as the proposed amendments are within the original authorised development footprint. In addition, the overall output capacity of the wind energy facility will remain within the authorised capacity of up to 140MW.

In terms of Condition 7 of the Environmental Authorisation and Chapter 5 of the EIA Regulations of December 2014 (as amended on 07 April 2017), it is possible for an applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved. An application in this regard has been submitted to the Department of Environmental Affairs (DEA). Savannah Environmental has prepared a motivation report in support of this amendment application on behalf of Karreebosch Wind Farm (Pty) Ltd.

In order to verify the potential for a change in the impacts on avifauna, bats, noise and visual exposure, specialist input into the amendment motivation report has been included.

The amendment motivation report has been made available to registered Interested and Affected Parties (I&APs) and Organs of State for a 30-day review period from the **31 July 2018 to 31 August 2018**. The report is available for download from <http://data.g7energies.com/part2/karreebosch>. CDs of the report will be available on request. The due date for written comment is the **31 August 2018**. Comments can be made as a written submission of fax, post or email.

All comments received will be included in the final motivation report which will be submitted to the DEA for review and decision-making.

Our team welcomes your participation and looks forward to your involvement throughout this process.

Kind regards

Rozanne Els
Public Participation Co-ordinator
Email: publicprocess@savannahsa.com



APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: KARREEBOSCH WIND FARM AND ASSOCIATED INFRASTRUCTURE

Forward

Assigned to: Savannah Public Process	Date Sent: 31/07/2018 16:31
Teams: Global	Project: Karreebosch Wind Farm (Roggeveld Phase 2)
From: Savannah Public Process <publicprocess@savannahsa.com>	
To:	
Cc:	
<p>Bcc: Siplwo Xongo <xongos@dws.gov.za>, Johannes and Riana Breedt <jbreedt@gpnet.net>, Amanda Bester <wayleacr@telkom.co.za>, Morne du Plessis <mduplessis@wwf.org.za>, Segomoco Scheppers <segomoco.scheppers@eskom.co.za>, Johan Coetzee <johan@ddk.co.za>, Henk Landman <henk.landman@eskom.co.za>, Gideon Marais <hammanb@telkomsa.net>, Hein Reyneke <hendrik.reyneke@mainstreammp.com>, Chris Fortuin <chrisf@namakwa-dm.gov.za>, F Van Wyk <laingsburgtourism@telkomsa.net>, Piet van Zyl <pieter.vanzyl@westerncape.gov.za>, Ayub Mohamed <ayub.mohamed@pgwc.gov.za>, Samantha Ralston-Paton <energy@birdlife.org.za>, Zaitoon Rabaney <zaitoon@mweb.co.za>, Francis Jackson <francis.jackson@windlab.com>, Bryan Fisher <bfisher@ncpg.gov.za>, Stafanus Jooste <stafanus@skdm.co.za>, Alvan Gabriel <alvan.gabriel@westerncape.gov.za>, Cor van der Walt <corvdw@elsenburg.com>, Coert Smit <coert@breedenet.co.za>, Richard Gordon <richard.gordon@aiimafrika.com>, Helena van Eden <helena@awk.co.za>, Moses Mahunonyane <mahunonyanem@dwa.gov.za>, Muhammad Essop <messop@environment.gov.za>, Doug Harebottle <doug.harebottle@uct.ac.za>, Francois Daniel Conradie <fdconradie@roggeveld.co.za>, Adrian Tiplady <atiplady@ska.ac.za>, Tristen Taylor <tristen@earthlife.org.za>, Constant Hoogstad <constanth@ewt.org.za>, Simon Gear <advocacy@birdlife.org.za>, Peter Cloete <peter.denc87@gmail.com>, Stuart Shearer <stuart.shearer@telkomsa.net>, David Whitelaw <avesue@mweb.co.za>, Toni Parkes <parkesaj@eskom.co.za>, Sharief Harris <s.harris@buildingenergy.it>, Kobus le Roux <klipfontein@breede.co.za>, Carinus Koorts <dianakoorts@gmail.com>, JHJ Steenberg <steenkamp@groenland.co.za>, Ockert Gerbrandt Conradie <damslaagte@roggeveld.co.za>, John Geeringh <john.geeringh@eskom.co.za>, Suzanne Erasmus <info@wessa.co.za>, Johanna Conradie <jleroes@yahoo.com>, Lawrence and Jennifer Hart <tweedside@vodamail.co.za>, Jannie Loubser <janniel@namakwa-dm.gov.za>, G van der Westhuizen <emslainsburg@nashuaisp.co.za>, Ratha Andrew Timothy <ratha.timothy@gmail.com>, Justine Wyngaardt <wyngaajo@eskom.co.za>, Marina Conradie <conradiebouers5@gmail.com>, Marianne Thomson <doctort@mweb.co.za>, Devito Nuntius <devito.nuntius@gmail.com>, Brett Myrdal <mandyl@sanparks.org.za>, Rashid Khan <khanr@dwa.gov.za>, Gustav Von Mollendorf <kmh.municipalmanager@gmail.com>, Phillip Hine <phine@sahra.org.za>, RJ Gouws <rhynog@enviroserv.co.za>, Zini Mokhine <zini@earthlife.org.za>, M Cebekhulu <cebekhulum@dwa.gov.za>, Sherly Grey <gry_s@mtn.co.za>, Lizell Stroh <strohl@caa.co.za>, Hans van der Merwe <charmaine@agrisa.co.za>, John Roberts <robertsj@dws.gov.za>, Anneke Roux <anneke@agrisa.co.za>, Pedro Williams <pawilliams@laingsburg.gov.za>, Asanda Mnyaka <mnyakaa@dwa.gov.za>, Stet Mushwana <stet.mushwana@transnet.net>, Sam Vuleka <sam.vuleka@dpw.gov.za>, Barbara Van Geems <vgeembs@eskom.co.za>, Charl Jooste <joostecg@eskom.co.za>, Richard Levin <rlevin@economic.gov.za>, Gielle Hanekom <dekom@roggeveld.co.za>, Carel Gersbach <carolmp@atns.co.za>, Sandile Nogxina <mwabisa.qwanyashe@dmr.gov.za>, Wilma Lutsch <wlutsch@environment.gov.za>, Abraham Gericke Du Plessis <abrieduplessis@aol.com>, D Ngwenya <dngwenya@icasa.org.za>, Ian McGregor <ian.mcgregor@inca-energy.com>, Viv Crone <vivcrone@gmail.com>, Donald Liphoko <donaldl@gcis.gov.za>, Lance Blaine <lblaine@southern-right.com>, Allistar Gibbons <allistar.gibbons@gmail.com>, Kobus Barnard <barnarjm.bfn.fs_bloemfontein@eskom.co.za>, Andrea Kettingingham <andrea@hwb.co.za>, Tommie Potgieter <tommie.potgieter@investec.co.za>, Erasmus Van Zyl <dehoop@roggeveld.co.za>, Fayruz Dharsey <fayruz.dharsey@westerncape.gov.za>, Arthur Shipalana <office@afriwea.org.za>, Grace Swanepoel <grace.swanepoel@westerncape.gov.za>, Karlo Cloete <chromedent@iburst.co.za>, Charl Gerhardus du Plessis <charl@agrisell.co.za>, Joyene Isaacs <joyenei@elsenburg.com>, Nobubele Ngele <mabokoi@dwa.org.za>, Nic Opperman <nic@agrisa.org.za>, Matthys Horak <thysh@atns.co.za>, Duduzile Kunene <duduzile.kunene@dmr.gov.za>, Jaco Terblance <jaco_ent@vodamail.co.za>, James Cumming <james.cumming@aced.co.za>, Bernard Mabele <mabele@ncapeeda.co.za>, Benjamin Walton <landusegeorge@capenature.co.za>, Douglas and Esme Calldo <ecalldo@roggeveld.co.za>, Mario J Brown <mario.brown@westerncape.gov.za>, Barry Barnett <marketing@westerncapetourism.co.za>, Japie Grobler <agrisa@agriinfo.co.za>, Johan Mouton <jmouton@laingsburg.gov.za>, Conrad Geldenhuys <c.geldenhuys@hotmail.com>, Kate MacEwan <kate@iws-sa.co.za>, Doug Jenman <doug@adequate-energy.co.za>, Herwig Hitlenberger <h.hitlenberger@mweb.co.za>, Shumani Mugerri <mugeris@dot.gov.za>, Onwabile Ndzumo <onyndzumo@gmail.com>, Fanie Maritz <cheyenne@fmaritz.law.za>, Malcom Suttill <malcolms@lantic.net>, Smunda Mokoena <lorrain.leburu@nersa.org.za>, Russell Sabor <russell@gvj.co.za>, Nelisiwe Magubane <dineo.moralle@energy.gov.za>, Peter van der Spuy <miner@yoafrica.com>, Sue Reuther <sreuther@srk.co.za>, Andile Gxasheka <andile.gxasheka@nersa.org.za>, Thumeka Ntloko <Ntloko@environment.gov.za>, Thoko Buthelezi <thokob@daff.gov.za>, Alan Veasey <aj@veasey.co.za>, Anne Flynn <aflynn@falconoilandgas.com>, Jan Venter <jventer@laingsburg.gov.za>, Serame Motlhake <motlhakes@sentech.co.za>, Mere Kgampe <mere.kgampe@dst.gov.za>, Lisel Brink <lbrink@capenature.co.za>, M Lakay <mlakay@pgwc.gov.za>, Thembela Bushula <bushulat@dws.gov.za>, Pieter Graff <pieter@witzen.co.za>, Z Loots <wmpenn@iafrica.com>, Abe Abrahams <franksl@dwa.gov.za>, Sunday Mabaso <sunday.mabaso@dmr.gov.za>, Langa Zitha <dg@daff.gov.za>, Wonders Dimakatso Viljoen Mothibi <cfortune@agri.ncape.gov.za>, Fanie Bergh <berghs@eskom.co.za>, Ramotholo Sefako <rrs@sao.ac.za>, Elsabe Swart <elsabe.dtec@gmail.com>, Mashudu Marubini <mashuduma@daff.gov.za>, George Sieraha <gsieraha@gmail.com>, Christopher Wills <karoo-desert-nbg@sanbi.org.za>, Valanathan Munsami <val.munsami@dst.gov.za>, Pheladi Masipa <pheladi.masipa@energy.gov.za>, Carl Opperman <carl@awk.co.za>, Lette Vye <geoffvye@mweb.co.za>, John Green <greenhse@mweb.co.za>, Kholikile Nogwili <lucindavanwyk@ncpg.gov.za>, René de Kock <abrahamsn@nra.co.za>, Johan Bothma <johan@awk.co.za>, Patrick Seboko <iletebele@ncpg.gov.za>, Len Fourie <macroplan@mweb.co.za></p>	
Subject: APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: KARREEBOSCH WIND FARM AND ASSOCIATED INFRASTRUCTURE	



Karreebosch Wind Farm (Pty) Ltd received an Environmental Authorisation (EA) for the construction of the Karreebosch Wind Farm and associated infrastructure in the Northern and Western Cape Provinces (DEA Ref: 14/12/16/3/3/2/807) on the 29th of January 2016. The applicant is considering an updated turbine model for the project and is proposing the following:

- » an increase in the rotor diameter for each turbine from 140m, to up to 160m;
- » an increase in the hub height from 100m, to up to 125m; and
- » an increase the generating capacity of each turbine from 2MW - 3.3MW, to 2MW up to 5.5MW.

It is also requested that the wind measuring mast height is increased from 100m to 125m. The height of the wind measuring mast is to be increased in line with the hub height to take accurate wind measurements. Savannah Environmental (Pty) Ltd have been appointed to submit the amendment application and motivation report to the National Environmental Affairs. Please refer to the attached notification letter for details regarding the amendments applied for and the availability of the motivation report for a 30-day review period.

Please do not hesitate to contact us should you require further information.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd

Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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Attachments: [Karreebosch EA Amend Notification Letter 31.07.2018.pdf](#)

Activities

Attachments

Subject	Contact	Last Modified
Karreebosch EA Amend Notification Letter 31.07.2018.pdf		31/07/2018 16:31

Accounts

Contacts

Email Stakeholders

Users

Index of /part2/karreebosch

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
📁 Parent Directory			-
📄 2204 Karreebosch WEF Draft Motivational Report V2 - 30Jul18 ST.pdf	2018-07-31 11:22	1.9M	
📄 Karreebosch_Appendix A - Bat Specialist Report.pdf	2018-07-31 11:22	183K	
📄 Karreebosch_Appendix B - Avi-fauna Specialsit Report.pdf	2018-07-31 11:22	135K	
📄 Karreebosch_Appendix C - Visual Specialist Report.pdf	2018-07-31 11:22	627K	
📄 Karreebosch_Appendix D - Noise Specialist Report.pdf	2018-07-31 11:22	602K	
📄 Karreebosch_Appendix E1 - IAP Database.pdf	2018-07-31 11:22	102K	
📄 Karreebosch_Appendix E2 - Consultation with IAPs, Adverts and Site Notices.pdf	2018-07-31 11:22	1.1M	
📄 Karreebosch_Appendix F - A3 Maps.pdf	2018-07-31 11:22	6.0M	

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Heritage Cases

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Karreebosch Wind Farm

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Status: SUBMITTED

HeritageAuthority(s): SAHRA
NBKB

Case Type: Section 38 (B) - Statutory Comment Required

Development Type: Wind

Proposal Description:
Project Name: Karreebosch Wind Farm and Associated Infrastructure within the Karoo Hoogland Local Municipality and the Laingsburg Local Municipality in the Northern Cape Province and Western Cape Province.
Applicant: Karreebosch Wind Farm (Pty) Ltd Proposed Activity: The establishment of a wind energy facility on a site located approximately 30km north of Matjiesfontein, and approximately 40 km south of Sutherland. Project Location: The site falls within the Karoo Hoogland Local Municipality, Northern Cape and Laingsburg Local Municipality, Western Cape. The following properties form part of the project development footprint: The following properties form part of the project development footprint: Farm Appelfontein 201, Remainder and Portion 1 and 2 of Ekkraal 199, Remainder and Portion 1 of Karreebosch 200, Portion 1 of Karreekloof 196, Remainder and 1 of Klipbankfontein 198, Farm Kranskraal 189, Farm Oude Huis 195, Farm Rietfontein 197, Farm Rooie Wal 187, Portion 2 of Standvastigheid 210, Remainder of Wilgebosch Rivier 188, Farm Aprils Kraal

Applicant: **Karreebosch Wind Farm (Pty) Ltd**
Consultants/Experts: **Shaun Taylor**
Other References:
ReferenceList:

Additional Documents

1. [Draft Scoping Report - Mar 2015](#)
2. [2204 Kareebosch WEF Draft Motivational Report V2 - 30Jul18 ST.pdf](#)
3. [Karreebosch_Appendix A - Bat Specialist Report.pdf](#)
4. [Karreebosch_Appendix B - Avi-fauna Specialist Report.pdf](#)
5. [Karreebosch_Appendix C - Visual Specialist Report.pdf](#)
6. [Karreebosch_Appendix D - Noise Specialist Report.pdf](#)
7. [Karreebosch_Appendix E1 - IAP Database.pdf](#)
8. [Karreebosch_Appendix E2 - Consultation with IAPs, Adverts and Site Notices.pdf](#)
9. [Karreebosch-Appendix F - Maps.pdf](#)

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Savannah Environmental Public Process

From: Shaun Taylor <shaun@savannahsa.com>
Sent: 05 September 2018 10:24 AM
To: GeerinJH@eskom.co.za
Cc: 'Savannah Environmental Public Process'
Subject: RE: Karreebosch - Request for Comment
Attachments: EIA Phase Map.pdf

Hi John

In response to your query below, the power line will remain as per the description and maps in the EIA as well as that authorised in the EA which approves approx.. 25km of 132kV powerlines from the on-site substation at Karreebosch WEF to Eskom Komsberg Substation.

I have attached the relevant map from the EIA phase for your reference.

If you have any further queries, feel free to let me know.

Regards

Shaun Taylor

Environmental and Permitting Lead Consultant | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Cell: +27(0)72 779 4899 | Fax: +27 (0)86 684 0547

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From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: Tuesday, 04 September 2018 12:48
To: 'Shaun Taylor' <shaun@savannahsa.com>
Subject: FW: Karreebosch - Request for Comment

Hi Shaun,

Please could you respond to John below and cc me.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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From: John Geeringh [<mailto:GeerinJH@eskom.co.za>]
Sent: 04 September 2018 12:15 PM
To: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Subject: RE: Karreebosch - Request for Comment

Thanks, it seems there will not be any impact on our infrastructure. What is the plan for connection to the Grid?

Regards

John

From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]
Sent: 04 September 2018 11:56 AM
To: John Geeringh
Subject: RE: Karreebosch - Request for Comment

Hi John,

Thank you for this. Please see attached as requested.

Let me know if you need anything else.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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From: John Geeringh [<mailto:GeerinJH@eskom.co.za>]
Sent: 04 September 2018 9:11 AM
To: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Subject: RE: Karreebosch - Request for Comment

Please find attached Eskom requirements for developments at or near Eskom infrastructure. Since the turbine heights are changing it may be required that the layout in relation to Eskom infrastructure be assessed again. Please send me KMZ files of the layout and turbine positions.

Regards

John Geeringh (Pr Sci Nat)
Senior Consultant Environmental Management
Land Development and Management
Group Capital
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.
P O Box 1091, Johannesburg, 2000.
Tel: 011 516 7233
Cell: 083 632 7663
Fax: 086 661 4064
E-mail: john.geeringh@eskom.co.za

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From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]
Sent: 04 September 2018 08:07 AM
To: John Geeringh
Subject: Karreebosch - Request for Comment
Importance: High

Dear John,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from Eskom on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit Eskom's written comment on or before **Thursday, 06 September 2018** by close of business.

Should Eskom not have any comments on the Amendment Application, please inform us thereof.

Kind regards,



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Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 04 September 2018 2:31 PM
To: 'Colin Fordham'
Subject: RE: Karreebosch - Request for Comment

Hi Colin,

Thank you. Much appreciated.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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From: Colin Fordham [mailto:landuseadvicesouth@capenature.co.za]
Sent: 04 September 2018 2:09 PM
To: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Subject: RE: Karreebosch - Request for Comment

To whom it may concern,

Comment will be submitted as requested.

Regards,

Colin Fordham
Scientist: Land Use Advice | Scientific Services



CapeNature

tel +27 44 802 5328 | fax +27 44 802 5313 | cell +27 79 521 1911
email cfordham@capenature.co.za | postal Private Bag X6546, George, 6530
physical 4th Floor, York Park Building, York Street, George, 6530
www.capenature.co.za

From: Savannah Environmental Public Process [mailto:publicprocess@savannahsa.com]
Sent: 04 September 2018 13:22 PM
To: cfordham@capenature.co.za
Subject: Karreebosch - Request for Comment
Importance: High

Dear Colin,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from Cape Nature on the Amendment Application.

With further reference to you conversation with my colleague earlier it is noted that Benjamin Walton is no longer working at Cape Nature and that you, Mr Colin Fordham took over from him.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit your Department's written comment on or before **Thursday, 06 September 2018** by close of business.

Should your Department not have any comments on the Amendment Application, please inform us thereof.

Kind regards,



Public Process

t: 011 656 3237

f: 086 684 0547

e: publicprocess@savannahsa.com

c:

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Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 06 September 2018 1:19 PM
To: 'cebekhulum@dwa.gov.za'
Subject: RE: Karreebosch - Request for Comment

Importance: High

Dear Mr Cebekhulu,

With reference to the email below I would like to confirm if your Department will be submitting comment ?

Thank you and kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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From: Savannah Environmental Public Process [mailto:publicprocess@savannahsa.com]
Sent: 04 September 2018 8:23 AM
To: 'cebekhulum@dwa.gov.za' <cebekhulum@dwa.gov.za>
Subject: Karreebosch - Request for Comment
Importance: High

Dear Mr. Cebekhulu,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from DWS on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit your Department's written comment on or before **Thursday, 06 September 2018** by close of business.

Should your Department not have any comments on the Amendment Application, please inform us thereof.

Kind regards,

Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 04 September 2018 11:56 AM
To: 'John Geeringh'
Subject: RE: Karreebosch - Request for Comment
Attachments: Access Roads.kml; Construction camp.kml; Crane Pads.kml; Site Boundary.kml; Substation.kml; Turbine Layout.kml

Hi John,

Thank you for this. Please see attached as requested.

Let me know if you need anything else.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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From: John Geeringh [mailto:GeerinJH@eskom.co.za]
Sent: 04 September 2018 9:11 AM
To: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Subject: RE: Karreebosch - Request for Comment

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Regards

John Geeringh (Pr Sci Nat)
Senior Consultant Environmental Management
Land Development and Management
Group Capital
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.
P O Box 1091, Johannesburg, 2000.
Tel: 011 516 7233
Cell: 083 632 7663
Fax: 086 661 4064
E-mail: john.geeringh@eskom.co.za

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From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]
Sent: 04 September 2018 08:07 AM
To: John Geeringh
Subject: Karreebosch - Request for Comment
Importance: High

Dear John,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from Eskom on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit Eskom's written comment on or before **Thursday, 06 September 2018** by close of business.

Should Eskom not have any comments on the Amendment Application, please inform us thereof.

Kind regards,



Public Process

t: 011 656 3237
f: 086 684 0547

e: publicprocess@savannahsa.com
c:

[SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015](#)

NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx

Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 06 September 2018 1:24 PM
To: 'allistar.gibbons@gmail.com'
Cc: 'karoadmin@karoohogland.gov.za'
Subject: RE: Karreebosch - Request for Comment

Importance: High

Dear Allistar,

With reference to the email below I would like to confirm if Karoo Hoogland Will be submitting comment ?

Thank you and kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd

Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Savannah Environmental Public Process [mailto:publicprocess@savannahsa.com]

Sent: 04 September 2018 8:16 AM

To: 'allistar.gibbons@gmail.com' <allistar.gibbons@gmail.com>

Subject: Karreebosch - Request for Comment

Importance: High

Dear Allistar,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from Karoo Hoogland Local Municipality on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit your Department's written comment on or before **Thursday, 06 September 2018** by close of business.

Should your Department not have any comments on the Amendment Application, please inform us thereof.

Kind regards,

Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 06 September 2018 1:22 PM
To: 'jmouton@laingsburg.gov.za'; 'jventer@laingsburg.gov.za'
Cc: 'laingadmin@xsinet.co.za'
Subject: RE: Karreebosch - Request for Comment

Importance: High

Dear Johan and Jon,

With reference to the email below I would like to confirm if Laingsburg Local Municipality will be submitting comment ?

Thank you and kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd

Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Savannah Environmental Public Process [mailto:publicprocess@savannahsa.com]
Sent: 04 September 2018 8:19 AM
To: 'jmouton@laingsburg.gov.za' <jmouton@laingsburg.gov.za>; 'jventer@laingsburg.gov.za' <jventer@laingsburg.gov.za>
Subject: Karreebosch - Request for Comment
Importance: High

Dear Johan and Jan,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from Laingsburg Local Municipality on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit your Department's written comment on or before **Thursday, 06 September 2018** by close of business.

Should your Department not have any comments on the Amendment Application, please inform us thereof.

Kind regards,

Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 06 September 2018 1:18 PM
To: 'rrs@sao.ac.za'; 'director@sao.ac.za'
Subject: RE: Karreebosch - Request for Comment

Importance: High

Good day,

With reference to the email below, I just want to confirm whether SA Astronomical Observatory will be submitting comment ?

Thank you and kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Savannah Environmental Public Process [mailto:publicprocess@savannahsa.com]
Sent: 04 September 2018 8:27 AM
To: 'rrs@sao.ac.za' <rrs@sao.ac.za>; 'director@sao.ac.za' <director@sao.ac.za>
Subject: Karreebosch - Request for Comment
Importance: High

Dear Dr Ramotholo and Prof Ted ,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from SA Astronomical Observatory on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit SA Astronomical Observatory's written comment on or before **Thursday, 06 September 2018** by close of business.

Should SA Astronomical Observatory not have any comments on the Amendment Application, please inform us thereof.

Kind regards,

Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 06 September 2018 1:30 PM
To: 'CorvdW@elsenburg.com'
Subject: FW: Karreebosch - Request for Comment

Importance: High

Dear Cor,

With reference to the email below I would like to confirm if your department will be submitting comment ?

Thank you and kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015

From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]

Sent: 04 September 2018 8:10 AM

To: 'CorvdW@elsenburg.com' <CorvdW@elsenburg.com>

Subject: Karreebosch - Request for Comment

Importance: High

Dear Cor,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not received written comments from Western Cape Department of Agriculture on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit Western Cape Departments of Agriculture's written comment on or before **Thursday, 06 September 2018** by close of business.

Should Western Cape Department of Agriculture not have any comments on the Amendment Application, please inform us thereof.

Kind regards,

Savannah Environmental Public Process

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: 17 September 2018 3:08 PM
To: 'Jessica P Christie'
Cc: 'Danie.Swanepoel@westerncape.gov.za'; 'Nicolene Venter'
Subject: Karreebosch Wind Farm and Associated Infrastructure (14/12/16/3/3/2/807)

Importance: High

Dear Jessica

Firstly, the project team would like to thank you for liaising with us regarding this Amendment.

Jessica, we would appreciate it if your Department could possibly find time to review the draft Amendment Motivation Report and should your Department have any comments, to please forward it to us by Thursday, 20 September 2018 by close of business.

The draft Amendment Motivation Report and associated specialist studies can be accessed on the link below:
<https://www.dropbox.com/sh/t0j8zq9hcrb2wt1/AAAt3dB9aq8VISDRgij4Eps6a?dl=0>

Importantly, note that the proposed amendment application is for changes to the wind turbine specifications only, and not the wind farm layout. As such, ecological inputs have not been required as these were assessed in the EIA phase and will not have a bearing on the change to wind turbine specifications requested in the amendment application. The only specialist aspects considered have therefore been limited to avifauna, bats, noise and visual. Additionally, in respect of these studies, it has been found that the proposed amendments will not result in a change to the significance of potential impacts identified in the EIA phase, nor will there be any new impacts or recommendations for additional mitigation measures to be included in the Environmental Management Programme (EMPr).

Should you have any queries, please do not hesitate to contact us.

We look forward to your comments.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Jessica P Christie [mailto:Jessica.Christie@westerncape.gov.za]
Sent: 06 September 2018 2:21 PM
To: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Cc: Adri La Meyer <Adri.LaMeyer@westerncape.gov.za>; 'Messop@environment.gov.za'
<Messop@environment.gov.za>
Subject: RE: Karreebosch - Request for Comment

Dear Rozanne

Unfortunately, I will not be able to as I still don't have the documents. They were sent to Cape Town and to the wrong persons in the Department.

For future reference, kindly send all correspondence regarding **any** projects in the Eden and Central Karoo region to this office for the attention of Danie Swanepoel at Danie.Swanepoel@westerncape.gov.za

Kind regards

Jessica Christie

Environmental Impact Management Service
Directorate Development Management (Region 3)
Department of Environmental Affairs & Development Planning
Western Cape Government

4th Floor, York Park Building, 93 York Street, George

Postal Address: Private Bag X6509, GEORGE, 6530

Tel: 044 805 8617

Fax: 044 805 8650

E-mail: Jessica.Christie@westerncape.gov.za

Website: www.westerncape.gov.za/eadp



From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]

Sent: 06 September 2018 01:12 PM

To: Jessica P Christie <Jessica.Christie@westerncape.gov.za>

Subject: RE: Karreebosch - Request for Comment

Importance: High

Dear Jessica,

With reference to the emails below, I just want to confirm if your department will be submitting comment ?

Thank you for your assistance.

Kind regards,

Rozanne Els

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]

Sent: 04 September 2018 3:11 PM

To: 'Jessica P Christie' <Jessica.Christie@westerncape.gov.za>

Subject: RE: Karreebosch - Request for Comment

Hi,

We did not have your email address so the Notification was not sent to your email address, but the following persons has received the notification

Alvin Gabriel

Ayub Mohammed

Pieter van Zyl

Please see attached the proof of email.

In 2015 you provided comment on the EIA (please see screenshots of Comments and Responses report below). This is why we have requested your email address to ask for comment.

	the information received.		
2.	The abovementioned proposal and the draft Scoping Report ("DSR") received by this Directorate on 28 March 2015 refer. This letter serves as acknowledgment of receipt of the aforementioned information by this Department and to notify you of whom the case officer is for the commenting	Jessica Christie Development Management Western Cape Department of Environmental	A hydrological study assessing irrigation has been completed and included in the study. Impacts associated with soil erosion and waterlogging (soils study)

Comments and Responses Report

PROPOSED CONSTRUCTION OF THE KARREEBOSCH WIND FARM AND ASSOCIATED INFRASTRUCTURE, WESTERN CAPE AND NORTHERN CAPE PROVINCE
Environmental Impact Assessment Report

No.	Issue	Issue Raised By	Response
	authority. Based on information contained in the DSR, this Directorate has the following notes and considerations that need to be taken into account with regard to the site layout and what impact this will have on the receiving environment and what limitations the receiving environment will have on the proposed layout of the development.	Affairs and Development Planning Letter: 2015-05-15	Impacts on ground water are assessed in the ecological assessment) All potential impacts on ecology, assessed in the ecological assessment It is noted that reference is made to the DEADP. This is assumed to be an error. A list of impacts relating to a wind farm is provided in the DSR.

<p>Based on information contained in the DSR, this Directorate has the following notes and considerations that need to be taken into account with regard to the site layout and what impact this will have on the receiving environment and what limitations the receiving environment will have on the proposed layout of the development:</p> <p>Biophysical Impacts:</p> <ul style="list-style-type: none"> » Potential impacts on surface water resources that occur in close proximity to the site and possible riparian zones. » Potential impacts of increased surface water run-off (viz. increased soil erosion) associated with the establishment of hard surfaces and vegetation clearing (mainly during the construction phase); » Potential impacts on ground and surface water quality due to hydrocarbon spillages from vehicles during the construction phase of the development; » Potential impacts on soils due to hydrocarbon spillages from vehicles during the construction and operational phase of the development; » Destruction of flora within the proposed area stemming from construction activities such as vegetation clearing and topsoil stripping within the site; » The disruption of ecological processes and loss of landscape connectivity must be addressed. » Faunal displacement mainly during the construction phase of the project; and adverse impacts on avifauna 	<p>Planning Letter: 2015-05-15</p>	<p>All potential impacts on ecology, flora and fauna are assessed in the ecological assessment.</p> <p>It is noted that reference is made to the DEADP. This is assumed to be an error in the light of impacts relating to a wind farm.</p> <p>Impacts regarding noise and dust are addressed in Appendix I (NIA) and Appendix J (VIA) respectively.</p> <p>Social impacts are assessed in Appendix L. A summary of all findings and mitigation measures found in chapter 8 of the EIA report.</p> <p>Feasible power line corridors alternatives have been identified and assessed as alternatives in the EIA report. Possible power line routes that were assessed as alternate route options are considered in the EAP, no further power line route alternatives were assessed.</p> <p>It is noted that reference is made to the DEADP. This is assumed to be an error in the light of impacts relating to a wind farm.</p>
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Comments and Responses Report

Environmental Impact Assessment Report

No.	Issue	Issue Raised By	Response
	<p>as a result of potential habitat loss, additional overhead power lines and the potential reflections of the solar panels (during the operation phase);</p> <ul style="list-style-type: none"> » Potential impacts of the development on soil and agricultural potential of the site » Potential increase in dust and noise generation during the construction phase. <p>Socio-Economic:</p> <ul style="list-style-type: none"> » Job creation during the construction and operational phases of the proposed project; » Develop education and training initiatives to enable the youth to develop skills especially in Science and Technology. <p>Alternatives:</p> <ul style="list-style-type: none"> » It is noted that two options (alternatives) have been described in the Scoping report regarding the routing of the 132kV transmission lines. It is however requested that further alternative route alignment be considered and presented based on the biophysical attributes and to avoid impacts that are listed above. 		

Kind regards,

Rozanne Els
Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

From: Jessica P Christie [<mailto:Jessica.Christie@westerncape.gov.za>]
Sent: 04 September 2018 2:26 PM
To: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Cc: Adri La Meyer <Adri.LaMeyer@westerncape.gov.za>
Subject: RE: Karreebosch - Request for Comment

Hi there

I have no record of receiving this documentation to comment on. Kindly provide us proof of delivery of the documents to this office.

Kind regards

Jessica Christie

Environmental Impact Management Service
Directorate Development Management (Region 3)
Department of Environmental Affairs & Development Planning
Western Cape Government

4th Floor, York Park Building, 93 York Street, George

Postal Address: Private Bag X6509, GEORGE, 6530

Tel: 044 805 8617

Fax: 044 805 8650

E-mail: Jessica.Christie@westerncape.gov.za

Website: www.westerncape.gov.za/eadp



From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]
Sent: 04 September 2018 01:03 PM
To: Jessica P Christie <Jessica.Christie@westerncape.gov.za>
Subject: Karreebosch - Request for Comment
Importance: High

Dear Jessica,

With reference to the notification letter (attached for ease reference) in terms of the Amendment Application process on the Environmental Authorisation issued on 29 January 2016, it is noted that according to our records, we had not

received written comments from Western Cape Department of Environmental Affairs and Development Planning on the Amendment Application.

The comment period on the Amendment Application ended last week Friday, 31 August 2018.

It would be appreciated if you can submit your Department's written comment on or before **Thursday, 06 September 2018** by close of business.

Should your Department not have any comments on the Amendment Application, please inform us thereof.

Kind regards,

savannah
environmental

t: 011 656 3237
f: 086 684 0547

Public Process

e: publicprocess@savannahsa.com
c:

[SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015](#)