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10 Januarie 2013

E-pos: simon.clark@aurecongroup.com

Geagte Heer / Dame

**TWEE BEOOGDE 132 KV TRANSMISSIONELYNE VIR 'N GEFASEERDE WIND ENERGIE
AANLEG BY DIE MAANHAARBERG EN DAMFONTEIN TERREINE (DE AAR 1) NABY DE
AAR, NOORD-KAAP: BESKIKBAARHEID VAN DIE KONSEP BASIESE
INVLOEDBEPALINGSVERSLAG VIR KOMMENTAAR LEWERING**

**DOS VERWYSSINGS NR: 14/12/16/3/3/1/787
NEAS VERWYSSINGS NR: DEA/EIA/0001600/2012**

Met hierdie brief word u in kennis gestel van die beskikbaarheid van die Konsep Basiese Invloedbepalingsverslag (BIBV) vir die bogenoemde projek, en word u uitgenooi om enige bekommernisse, steun en / of kommentaar te lewer.

Die Konsep BIBV is beskikbaar vanaf **16 Januarie 2013 tot en met 24 Februarie 2013** vir oorsig en kommentaar by die De Aar Openbare Biblioteek (Stasie straat), by die Emthanjeni Munisipaliteit geleë in Voortrekker straat, De Aar en vanaf Aurecon se webblad (www.aurecongroup.com – stel die "Current location" na Suid-Afrika en volg die "public participation"-skakel). Ter inligting, vind asseblief aangeheg die Uitvoerende Opsomming van die Konsep BIBV. Kontak asseblief vir Aurecon indien u die dokumentasie in 'n ander taal verlang.

Indien u enige kommentaar wil lewer op die Konsep BIBV, of as 'n Belanghebbende en Geaffekteerde Party (B&GP) tot die proses wil registréer, treë asseblief met **Simon Clark** van Aurecon in verbinding per Tel: (021) 526 9400, Faks: (021) 526 9500, E-pos: simon.clark@aurecongroup.com of per pos: Posbus 494, Kaapstad, 8000 voor **24 Februarie 2013**.

Die uwe
Aurecon

SIMON CLARK

Omgewings Praktisyn

Omgewings en Raadgewende Dienste

P:\Projects\108631 BAR Transfers\2013\PPPLetters\De Aar 1\De Aar 1 Ltr IAPs re DBAR-kdb.doc

RECEIVED

22 JAN 2013

KAREN VERSFELD (Cand. Sci. Nat.)

Omgewings Praktisyn

Omgewings en Raadgewende Dienste

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10 January 2013

Dear Sir/ Madam

**TWO PROPOSED 132 KV TRANSMISSION LINES FOR A PHASED WIND ENERGY
FACILITY ON THE MAANHAARBERG AND DAMFONTEIN SITES (DE AAR 1) NEAR DE
AAR, NORTHERN CAPE: AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORT
FOR COMMENT**

DEA REFERENCE: 14/12/16/3/3/1/787

NEAS REFERENCE: DEA/EIA/0001600/2012

This letter serves to notify you that the Draft Basic Assessment Report (Draft BAR) for the above-mentioned project is available and to invite you to raise related comments or concerns.

The Draft BAR will be available from **16 January 2013** till **24 February 2013** for review and comment at the De Aar (Station Road) Public Library, the Emthanjeni municipal offices in Voortrekker Road, De Aar and accessible from the Aurecon website (www.aurecongroup.com – change “*current location*” to South Africa and follow the “*public participation*”- link). Enclosed, please find the Executive Summary of the Draft BAR for your information. Please contact Aurecon should you require the documentation in another language.

If you would like to submit any comments or concerns on the Draft BAR or to register as an Interested and Affected Party for this process please contact **Simon Clark** of Aurecon on Tel: (021) 526 9400, Fax: (021) 526 9500, simon.clark@aurecongroup.com or PO Box 494, Cape Town, 8000 before **24 February 2013**.

Yours sincerely
Aurecon



SIMON CLARK

Practitioner: Environmental & Advisory Services

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KAREN VERSFELD (Cand. Sci. Nat.)

Practitioner: Environmental & Advisory Services

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Email: simon.clark@aurecongroup.com

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ZB Ebrahim, AB Goldenhuis, NN Gwagwa, SA le Roux,
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ENVIRONMENTAL IMPACT ASSESSMENT

TWO PROPOSED 132 KV TRANSMISSION LINES FOR A PHASED WIND ENERGY FACILITY ON THE MAANHAARBERG AND

DAMFONTEIN SITES (DE AAR 1) NEAR DE AAR, NORTHERN CAPE

DEA REFERENCE: 14/12/16/3/3/1/787 AND NEAS REFERENCE: DEA/EIA/0001600/201



JANUARY 2013

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EXECUTIVE SUMMARY: DRAFT BASIC ASSESSMENT REPORT

Background

Mulilo Renewable Energy (Pty) Ltd (Mulilo) proposes to construct two 132kV overhead power lines in order to connect a two-phased Wind Energy Facility (WEF), to be developed to the west of De Aar in the Northern Cape, to the national grid. The proposed transmission lines would consist of a single servitude, approximately 25.6km in length, which would feed into Eskom's proposed Eskom/PV3 substation.

In terms of the National Environmental Management Act (NEMA) (Act 107 of 1998) as amended, the proposed project trigger General Notice (GN) 544 items 10, 11 and GN 546 item 12, which require authorisation from the competent environmental authority, namely the Department of Environmental Affairs (DEA), before they can be undertaken. DEA's decision will be based on the findings of this Basic Assessment process. Aurecon South Africa (Pty) Ltd (Aurecon) has been appointed by Mulilo to undertake the requisite environmental process.

Proposed project

Purpose of this document

This document provides a summary of the Draft Basic Assessment Report (DBAR), as required in terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) Environmental Impact Assessment (EIA) Regulations (2 August 2010, as amended). This document provides an assessment of the potential environmental (socio-economic and biophysical) impacts associated with the proposed two 132kV overhead power lines in order to connect a previously approved Wind Energy Facility to the national grid. It further describes the public participation process undertaken to date, and the feasible and reasonable project alternatives that have been assessed.

Please review this Summary Document and preferably the full DBAR, and submit your comments on the proposed project by **24 February 2013**. All EIA documents will be available for review and comment at the De Aar Public Library, the Enthekweni municipal offices and/or the Aurecon website (www.aurecongroup.com) change 'Current Location' to 'South African' and follow the 'public participation' link. To comment, write a letter, call, fax or e-mail Aurecon:

Simon Clark; Karen Verstald
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Tel: (021) 526 601 5737
Fax: (021) 526 9500
Email: simon.clark@aurecongroup.com
karen.verstald@aurecongroup.com

monopole structure including

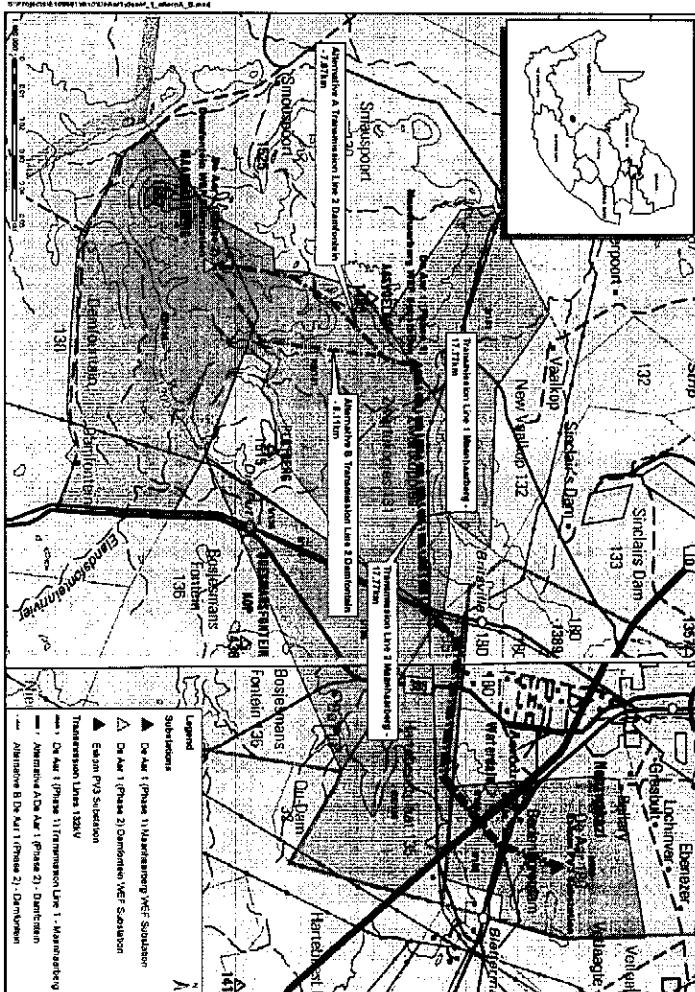
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Project alternatives

The proposed transmission lines would run in parallel from the Maanhaarberg 132kV substation to PV3 substation, which is located approximately 25km north-west of the WEF site. The lines would traverse the following farm portions to the Eskom/PV3 substation: Damfontein Re/138 (Remaining Extents), Zwartekopjes Re/131 (Remaining Extents), Zwartekopjes 2/131 (Remaining Extents), Fountain Rem/1136 (Remaining Extents), Haartbeesplaas Re/135 (Remaining Extents) and Vlakfontein 1/180 (Refer to for Figure 1 and Appendix A for the Locality Map). The landowners whose properties cross have entered into agreements with Mulilo. These farms are zoned for agriculture and are currently used for grazing sheep, goats and cattle.

Figure 1: Locality map indicating the transmission line alternatives.



Need and Desirability

The transmission line would facilitate the connection for the WEF to provide renewable energy to the national grid. The need for renewable energy is well documented and reasons for the desirability of wind energy include:

- Reducing the demand on scarce resources, such as water;
- Meeting nationally appropriate emission targets in line with global climate change commitments as the generation of electricity from the WEF produces no pollution per MWh;
- Enhancing energy security by diversifying generation;
- Job opportunities and contribution to social upliftment; and
- Local economic development.

Site description

The transmission line would run in parallel from the Maanhaarberg 132kV substation to PV3 substation, which is located approximately 25km north-west of the WEF site. The lines would traverse the following farm portions to the Eskom/PV3 substation: Damfontein Re/138 (Remaining Extents), Zwartekopjes Re/131 (Remaining Extents), Zwartekopjes 2/131 (Remaining Extents), Fountain Rem/1136 (Remaining Extents), Haartbeesplaas Re/135 (Remaining Extents) and Vlakfontein 1/180 (Refer to for Figure 1 and Appendix A for the Locality Map). The landowners whose properties cross have entered into agreements with Mulilo. These farms are zoned for agriculture and are currently used for grazing sheep, goats and cattle.

The following feasible alternatives were assessed in the Draft BAR:

Site alternatives:

- **Phase 1**
 - Transmission line 1 (required for both Alternative A and B) Maanhaarberg (indicated in the locality map) is approximately 17.8km from the Maanhaarberg substation to Eskom/PV3 substation.

• **Phase 2**

- Alternative A transmission line 2 (indicated in dark blue on the locality map) is approximately 25.6km from the Damfontein substation via the Maanhaarberg substation to the Eskom/PV3 substation.
- Alternative B (preferred) transmission line 2 (indicated in light blue on the locality map) is approximately 25.84km from the Damfontein substation via the Maanhaarberg substation to the Eskom/PV3 substation.

Layout alternatives:

- None were considered as the layout alternatives (i.e. pylon positions) will only be determined during implementation phase and would be dependent on the Independent Power Producer bid process approval as required by Eskom.

Activity alternatives:

- Transmission of electricity generated at the Wind Energy Facilities; and
- "No-go" alternative.

Technology alternatives:

- Single circuit Monopole 266 or Double circuit Monopole 277.

Identified impacts

During this assessment the following potential significant environmental impacts have been identified:

• **Construction phase impacts on the biophysical and socio-economic environments:**

- Impact on Ecology
- Impact on avifauna
- Impact on Freshwater
- Impact on Agriculture
- Impact on Heritage resource
- Impact on Transport
- Impact on Dust
- Impact on Visual

• **Operational phase impacts on the biophysical environment:**

- Impact on Ecology
- Impact on avifauna
- Impact on Freshwater
- Impact on Agriculture
- Impact on Heritage resource
- Impact on Transport
- Impact on Dust
- Visual
- Economic
- Aeration

Table 1: Significance rating of potential impacts that might occur during the construction phase

Impact	Significance rating	
	Without mitigation	With mitigation
Alternative A and B (Phase 1 and 2)		
Construction phase		
Impact on Ecology		
• Direct impact	Low- Medium (-)	Very low (-)
• Indirect impact- none identified	-	-
• Cumulative impact- none identified	-	-
Impact on Avifauna		
• Direct impact	Medium- High (-)	Medium (-)
• Indirect impact - none identified	-	-
• Cumulative impact- none identified	-	-
Impact on Freshwater		
• Direct impact	Low (-)	Very low (-)
• Indirect impact	Low (-)	Very low (-)
• Cumulative impact	Low (-)	Very low (-)
Impact on agricultural potential		
• Direct impact	Very low (-)	No mitigation possible
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-
Impact on heritage resources		
• Direct impact	Low- Medium (-)	No possible mitigation
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-
Impact on transport		
• Direct impact	Low (-)	Low (-)
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-
Impact on dust		
• Direct impact	Low (-)	Very low (-)
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-
Impact on Visual		
Direct impact	Low (-)	Low (-)
Indirect impact - none identified	-	-
Cumulative impact	Medium (-)	Low (-)
No-Go option		
• Direct impact	High (-)	High (-)
• Indirect impact	High (-)	High (-)
• Cumulative impact	High (-)	High (-)
Rating of potential impacts that might occur during the operational phase		
Impact	Significance rating	
Impact	Without mitigation	With mitigation

Impact on Ecology

• Direct impact	Medium (-)	Very low (-)
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-

Impact on Avifauna

• Direct impact	Medium- High (-)	Medium (-)
• Indirect impact - none identified	-	-
• Cumulative impact- none identified	-	-

Impact on Freshwater

• Direct impact	Low (-)	Very low (-)
• Indirect impact - none identified	-	-
• Cumulative impact- same as in construction phase	-	-

Impact on agricultural potential

• Direct impact	Very low (-)	Very low (-)
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-

Impact on heritage resources

• Direct impact	Low- Medium (-)	No possible mitigation
• Indirect impact - none identified	-	-
• Cumulative impact - none identified	-	-

Impact on Visual

• Direct impact	Low (-)	Low (-)
• Indirect impact - none identified	-	-
• Cumulative impact	Medium (-)	Medium (-)

Impact on socio-economic

• Direct impact	Medium (+)	Medium (+)
• Indirect impact	Medium (+)	Medium (+)
• Cumulative impact	Medium (+)	Medium (+)

Impact on economic (Energy Generation)

• Direct impact	Low (+)	Low (+)
• Indirect impact - none identified	-	-
• Cumulative impact	High (+)	High (+)

Impact on climate change

• Direct impact	Low (+)	Low (+)
• Indirect impact	Low (+)	Low (+)
• Cumulative impact	Medium (+)	Medium (+)

measures are recommended to manage the identified impacts associated with the proposed lines during the construction and operation phases and is described in the Draft BAR.

How you can get involved

This is a key component of this EIA process and enables Interested and Affected Parties (affected landowners; national-, provincial- and local authorities; environmental organisations; and communities), to identify their issues and concerns, relating to the project they feel should be addressed in the EIA process. The public participation following aspects:

In the local newspapers, the *Volksblad* and *The Echo*, on 15 and 18 January 2013 till 24 February 2013;

and De Aar Public Library.

- The Draft BAR was lodged for review and comment at the De Aar (Station Road) and the Emthanjeni municipal offices in Vootrekker Road, De Aar.
- All documentation was made available from the Aurecon website (www.aurecongroup.co.za) change "current location" to South Africa and follow the "public participation" link).
- Potential I&APs were notified of the period available to submit their comments or concerns of DBAR by means of letters sent by post, fax or e-mail. I&APs have 40 days, **24 February 2013**, to submit their written comments on the DBAR. Cognisance will be taken all comments in compiling the final report, and the comments, together with the project team and proponent's responses thereto, will be included in the Final Basic Assessment Report (FBAR).

Way forward

All written comments can be submitted to Aurecon (a Response Form is attached for your convenience). All issues raised via written correspondence will be summarised into a Comments and Response Report with responses from the project team and will be included as an annexure to the FBAR.

Comments can be sent to Aurecon via telephone, fax, email or post to the following contact persons:

Table 3: Contact details of the project team

Basic Assessment project team: Transmission Lines: De Aar 1	
Tel	Simon Clark (021) 526 6034
Fax	(021) 526 9500
Email	simon.clark@aurecongroup.com
Postal address	PO Box 494, Cape Town, 8000
	PO Box 494, Cape Town, 8000

On completion of the public comment period, the Basic Assessment Report will be finalised and all comments received from I&APs will be incorporated into the final report. Registered I&APs will have 21 days to comment on the FBAR. The FBAR will be submitted to DEA for their review and decision regarding acceptance of the report. The DEA will review the FBAR, who must, do one of the following:

- Accept the FBAR;
- Notify the applicant that the report has been referred for specialist review;
- Request amendments to the report; or
- Reject the report if it does not materially comply with regulations.

If a report is accepted, DEA must within 45 days:

- Grant authorisation in respect of all or part of the activity applied for; or
- Refuse authorisation in respect of all or part of the activity.

DEA issues their decision on the proposed project, all registered I&APs on the project database will be advised of the outcome of the decision, as well as the Appeal process, within 12 calendar days of the decision should an Environmental Authorisation be issued.

List of Acronyms

DBAR	Draft Basic Assessment Report
DEA	Department of Environmental Affairs
EIA	Environmental Impact Assessment
FBAR	Final Basic Assessment Report
I&AP	Interested and Affected Party
kV	Kilovolt
MW	Megawatts
NEMA	National Environmental Management Act

**TWEE BEOOGDE 132 KV TRANSMISSIONSLYNE VIR 'N GEFASÉ
WIND ENERGIE AANLEG BY DIE MAANHAARBERG EN DAMFONTEIN
TERREINE (DE AAR 1) NABY DE AAR, NOORD-KAAP**

**DOS VERWYSSINGS NR: 14/12/16/3/31/787 EN NEAS VERWYSSINGS NR:
DEA/EIA/0001600/2012**



JANUARIE 2013

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**UITVOERENDE OPSOMMING: KONSEP BASIESE
INVLOEDBEPALINGSVERSLAG**

Agtergrond

Mulilo Hernubare Energie (Edms) Bpk (Mulilo) beoog om twee 132kV oorhoofse transmissielyne op te rig om die gefaseerde Wind Energie Aanleg (WEA) ontwikkeling, wat Wes van De Aar in die Noord-Kaap beplan word, te verbind met die nasionale netwerk. Die beoogde transmissielyne sal 'n enkele serwituut bestaan, ongeveer 25.6km lank, wat sal aansluit by Eskom se beplande Eskom / PV3 substasie.

In terme van die Wet op Nasionale Omgewingsbestuur (WNOB) (Wet nr 107 van 1998) soos gewyssig, het die beoogde ontwikkeling Goewermont Kennisgewing (GK) 544 Aktiwiteit Nr. 10 en 11, en GK 546 Aktiwiteit Nr. 12 tot gevolg, en benodig dus goedkeuring van die bekware owerheid, naamlik die Nasionale Department van Omgewingssake (DOS), voordat die aktiwiteit ondernem mag word. Die DOS se besluit sal gebasseer word op die uitkomste van hierdie Basiese Invloedbepalingsverslag. Aurecon Suid-Afrika (Edms) Bpk (Aurecon) is aangestel deur Mulilo om die bovenoemde proses te ondernem.

Voorgestelde projek

Die De Aar 1 WEA (DOS Verw. Nr. 12/1/2/20/1/651), wat goedkeur deur die DOS op 18 Augustus 2011, sal bestaan uit ongever 65 wind turbines met 'n opwekkings kapasiteit van 100MW. Om hierdie gekeurde WEA te verbind met die PV3 substasie, word daar transmissielyne benodig. Die stelde transmissielyne sal bestaan uit twee net die eerstelyn wat die Maanhaarberg met die nuwe Eskom / PV3 substasie sal verbind en die tweede transmissielyn (alternewe roetes) wat die Damfontein WEA verbind met die Eskom / PV3 substasie. Die nuwe Eskom / PV3 substasie sal bestaan uit die Maanhaarberg Substasie (sien figuur 1). Die ringnetwerk voorgestel deur die aantal soortgelyke hernubare energieprojekte in die Aar area, te verbind met werk.

Bestaan uit die

Hierdie dokument is 'n opsomming van die Konsep Basiese Invloedbepalingsverslag (BIV), soos vereis in terme van die Wet op Nasionale Omgewingsbestuur (WNOB) (Wet nr 107 van 1998) Omgewingsinvloedbepaling (OB) Regulasies (2 Augustus 2010, soos gewyssig). Hierdie dokument ondersoek die potensiele omgewings (sociale, ekonomiese en biofisiese) impakte geassosieer met die voorgestelde twee 132kV oorhoofse transmissielyne om die reeds geadgekte WEA te verbind met die nasionale netwerk. Dit beskyf verder ook die proses van openbare deelname tot dusver, asook 'n lys van moontlike en redelike projek-alternatiewe wat ondersoek is. Lees asb. hierdie Opsomende Dokument, en verlyk die volledige Konsep BIV deur en tien u kommentaar op die beoogde projek teen **24 Februarie 2013** in. Alle OB-dokumentasie is beskikbaar vir oorsig en kommentaarbeweeging by die De Aar Openbare Bibliotek, die Emthandeni Municipale kantore en op Aurecon se website (www.aurecongroup.com) – verander "Current Location" na "South Africa" en volg die "Public Participation"-skakel. Lewer kommentaar deur 'n brief te skryf, te bel of 'n e-pos aan Aurecon te stuur.

Simon Clark / Karen Versfeld
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Tel: (021) 528 6034/37
Faks: (021) 523 9500
E-pos: simon.clark@aurecongroup.com
karen.versfeld@aurecongroup.com

- 132kV staal enkelpaal strukture insluitend fondasies en isoleerders
- Toegangspaaie; en
- Die skoonmaak van die lyn en serwituit om die wetlike vereistes na te kom.

Figuur 1: Liggingskaart wat die transmissielyn alternatiewe aandui.

Behoefte en Wenslikheid

Die transmissielyne sal die konneksie vir die WEA verskaf sodat hernubare energie verskaf kan word aan die nasionale netwerk. Die behoefte aan hernubare energie is goed gedokumenteer en redes vir dit behoeftte vir wind energie sluit in:

- Verminder druk op skaars hulpbronne, soos bv. water;
- Bereik nasionale gepaste besoedeling vermindering verpligtinge aangesien die opwek van krag deur die WEA geen besoedeling per MW/h produseer nie;
- Werksgeleenthede en bydrae tot sosiale verryking; en
- Plaaslike ekonomiese ontwikkeling.

Terrein beskrywing

Die twee voorgestelde transmissielyne sal parallel loop tot mekaar vanaf die Maanhaarberg 132kV substasie na die Eskom / PV3 substasie, wat ongeveer 25km noord-wes van die WEA geleë is. Die serwituut sal die volgende pleas gedeeltes kruis op pad na Eskom / PV3 substasie: Damfontein RE1/38 (Restant); Zwartekopjes RE131 (Restant); Zwartekopjes 2/131; Bosiemans Fountain 1/136 (Restant); Hartebeesplaas RE1/35 (Restant); en De Aar 1/180 (sien assieblief Figuur 1 vir die Liggingskaart). Die grondeenaars van die please wat die serwituut sal kruis, het reeds ooreenkoms met Multiro gesluit. Hierdie please is gesoneer vir Landbou en word tans gebruik vir weivelde deur skape, bokke en beeste.

Projek alternatiewe

Die volgende wesentlike alternatiewe was geassesseer in die Konsep BIBV:

Terrein alternatiewe:

Fase 1

- Transmissielyn 1 (benodig vir beide Alternatief A en B) Maanhaarberg (aangedui in rooi op die liggingskaart) is ongeveer 17.8km van die Maanhaarberg substasie tot by Eskom / PV3 substasie.

Fase 2

Alternatief A transmissielyn 2 (aangedui in donker blou op die liggingskaart) is ongeveer 25.6km van die Damfontein substasie via die Maanhaarberg substasie na die Eskom / PV3 substasie.

Alternatief B (vorkleur) transmissielyn 2 (aangedui in ligte blou op die liggingskaart) is ongeveer 25.6km van die Damfontein substasie via die Maanhaarberg substasie na die PV3 substasie.

Die was oorweeg nie aangesien die spantoring posisies eers bepaal sal word tydens fase en sal afhang van die Onafhanklike Kragprodusent bod deur Eskom.

- "Geen-ontwikkeling" alternatief.

Tegnologie alternatiewe:

- Enkel stroombaan enkelpaal 266; of
- Dubbel stroombaan enkelpaal 277.

Identifiseerde impakte

Tydens hierdie assesserings was die volgende potensiële beduidende omgewingsimpakte geïdentifiseer:

- **Konstruksie fase impakte op die biofisiiese en sosio-ekonomiese omgewings:**
 - Impak op ekologie
 - Impak op voëllewe
 - Impak op vawwater
 - Impak op landboupotensiaal
 - Impak op erfenis/hulpbronne
 - Impak op vervoer
 - Impak op lugkwaliteit
 - Visuele impak
- **Operasionele fase impakte op die biofisiiese omgewing:**
 - Impak op ekologie
 - Impak op voëllewe
 - Impak op vawwater
 - Impak op landbou
 - Impak op erfenis/hulpbronne
 - Impak op vervoer
 - Impak op sosio-ekonomiese
 - Impak op kragopwekking
 - Impak op klimaatsverandering

Tabel 1: Beduidendenheids waarde van moontlike impakte wat kan plaasvind tydens die konstruksie fase

	Impak	Beduidendenheids waarde	
		Met mitigasie	Sonder mitigasie
Alternatiewe A en B (Fase 1 en 2) struktsie fase			
Impak op ekologie			
• Direkte impak		Laag-Medium (-)	Baie laag (-)
• Indirekte impak - geen geïdentifiseer		-	-
• Kumulatiewe impak - geen geïdentifiseer		-	-
Opeliewe			
• Impak		Medium-Hoog (-)	Medium (-)
• Impak - geen geïdentifiseer		-	-
• Impak - geen geïdentifiseer		-	-
Impak op vawwater			
• Directe impak		Laag (-)	Baie laag (-)
• Indirekte impak		Laag (-)	Baie laag (-)
• Kumulatiewe impak		Laag (-)	Baie laag (-)
Impak op landbou potensiaal			
• Direkte impak		Baie laag (-)	Geen moontlik mitigasie

• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op erfennishulpbronne		
• Direkte impak	Laag- Medium (-)	Geen mitigasie
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op vervoer		
• Direkte impak	Laag (-)	Laag (-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op lugkwaliteit		
• Direkte impak	Laag (-)	Baie laag (-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Visuele Impak		
• Directe impak	Laag (-)	Laag (-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak	Medium (-)	Laag (-)
Geen ontwikkeling opsie		
• Directe impak	Hoog (-)	Hoog (-)
• Indirekte impak	Hoog (-)	Hoog (-)
• Kumulatiewe impak	Hoog (-)	Hoog (-)
Tabel 2: Beduidendeheds waarde van moontlike impakte wat kan plaasvind tydens die konstruksie fase operasionele fase		
Impak	Beduidendeheds waarde	
	Met mitigasie	Sonder mitigasie
Alternatiewe A en B (Fase 1 en 2)		
Operasionele fase		
Impak op ekologie		
• Directe impak	Medium (-)	Baie laag(-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op voëllewe		
Direkte impak	Medium- Hoog (-)	Medium (-)
Indirekte impak – geen geïdentifiseer	-	-
Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op varswater		
• Directe impak	Baie laag (-)	Baie laag (-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak- selfde as in konstruktiefase	-	-
Impak op landbou potensiaal		
• Directe impak	Baie laag (-)	Baie laag (-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op erfennishulpbronne		
• Directe impak	Laag- Medium (-)	Geen mitigasie
• Indirekte impak – geen geïdentifiseer	-	-

• Kumulatiewe impak – geen geïdentifiseer	-	-
Impak op lugkwaliteit		
• Direkte impak	Laag (-)	Bate laag (-)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak – geen geïdentifiseer	-	-
Visuele Impak		
• Direkte impak	Laag (-)	Laag (-)
• Indirekte impak – geen geïdentifiseer	Hoog (-)	Hoog (-)
• Kumulatiewe impak	Medium (-)	Laag (-)
Geen-ontwikkeling opsie		
• Direkte impak	Hoog (-)	Hoog (-)
• Indirekte impak	Hoog (-)	Hoog (-)
• Kumulatiewe impak	Hoog (-)	Hoog (-)
Impak op sosio-ekonomiese		
• Direkte impak	Medium (+)	Medium (+)
• Indirekte impak	Medium (+)	Medium (+)
• Kumulatiewe impak	Medium (+)	Medium (+)
Impak op ekonomiese (Energie Opwekking)		
• Direkte impak	Laag (+)	Laag (+)
• Indirekte impak – geen geïdentifiseer	-	-
• Kumulatiewe impak	Hoog (+)	Hoog (+)
Impak op klimaatsverandering		
• Direkte impak	Laag (+)	Laag (+)
• Indirekte impak	Laag (+)	Laag (+)
• Kumulatiewe impak	Medium (+)	Medium (+)

Mitigasiemaatreëls word voorgestel om die bogenoemde geïdentifiseerde impakte, geassosieer met die beoogde transmissielyne tydens konstruksie en opeisonele fase, aan te spreek en word beskryf in die Konsep BIV.

Hoe kan u betrokke raak

blieke deelname is 'n sleutel komponent van hierdie OIB-proses en stel Belanghebbende en of afferkteerde Partye (G&BPe) (bv. Direk geaffekteerde grondelienaars; nasionale-, provinsiale- en plaslike owerhede, omgewingsgroepes, burgerlike verenigings; en gemeenskappe) in staat om hul initifiseerde kwessies en bekommernisse met betrekking tot die voorgestelde aktiwiteite, wat hul voel spreek moet word in die OIB proses, te lig.

Ende aspekpie was onderneem tot op hede as deel van die openbare deelname proses:

Vertensies was geplaas in plaaslike koerante, die Volksblad en The Echo, op 15 Januarie 2013 en 8 Januarie 2013 onderskeidelik, om die wyer publiek van die aanvang van die OIB proses in en hul uit te nooi om hulself te registreer as B&GPe vanaf **16 Januarie 2013** tot en met **22 Februarie 2013**;

Administrasiegewings is geplaas by Emthanjeni plaaslike munisipaliteit en De Aar Openbare

sy was beskikbaar gestel vir oorsig en kommentaarlewering by die De Aar (Stasie Bibliotheek en die Emthanjeni munisipale kantore in Voortrekker Straat, De Aar. Sy was ook beskikbaar gemaak vanaf die Aurecon webtuiste verander "Current Location" na "South Africa" en volg die "Public Comment" link op die periode beskikbaar vir indiening van kommentaar per pos, faks of e-pos hul kommentaar indien.

B&GPe het 40 dae, tot en met **24 Februarie 2013**, om hul geskreve kommentaar op die BIBV in te dien. Alle kwessies wat skriftelik ontvang word, sal in ag geneem word in die van die Finale BIBV. Alle kommentaar, tesame met die projekspan se antwoorde daaroor, ingesluit word in die Finale BIBV.

Pad Vorentoe

Alle geskreve kommentaar kan gestuur word aan Aurecon ('n terugvoeringsblad is hierby aangeheg vir gemak). Alle kommentaar gelijk sal opgesom word in 'n Kommentaar-en-Antwoordblad met terugvoering van die projek span en sal aangeheg word aan die Finale BIBV.

Kommentaar kan gestuur word aan Aurecon via telefoon, faks, e-pos of pos aan die volgende persone:

Tabel 3: Kontakbesonderhede van die projekspan

OB projekspan: Transmissielyne: De Aar 1	
Naam	Simon Clark
Telefoon	(021) 526 6034
Faks	(021) 526 9500
E-pos	simon.clark@aurecongroup.com
Pos adres	Postbus 494, Kaapstad, 8000

Na afloop van die openbare kommentaartydperk, sal die Finale BIBV gefinaliseer word, en alle kommentaar vanaf B&GPe sal in die verslag opgeneem word. Geregistreerde B&GPe sal 21 dae hê om kommentaar op die Finale BIBV te lig. Die Finale BIBV sal dan en daarna by die DOS ingedien word vir oorsig en 'n besluitneming. Die DOS sal na die oorsig van die Finale BIBV, een van die volgende doen:

- (i) Die Finale BIBV aanvaar;
- (ii) Die aansoeker in kennis stel dat die verslag verwys is na 'n spesialis vir oorsig;
- (iii) Aanpassings aan die verslag vereis; of
- (iv) Die verslag afkeer indien dit nie voldoen aan die Regulasies nie.

Indien die DOS die verslag aanvaar, moet hul binne 45 dae:

- (a) Goedkeuring vir die hele projek of 'n gedeelte van die aktiwiteit waarvoor aansoek gedoen word uitrek; of
- (b) Weier om goedkeuring uittereik vir die hele projek of 'n gedeelte daarvan.

Indien die DOS hul besluit op die beoogde projek geneem het, sal alle B&GPe op die projek databasis ingestel word van die uittreksel van hul besluit, sowel as die appèl prosedure, binne 12 kalender dae van die datum van die besluitneming, indien die DOS besluit om 'n Omgewingsmagtiging uittereik.

Lys van Afkortings

B&GP	Belanghebbende en Geaffekteerde Party
DOS	Departement van Omgewingsake
FIBV	Finale Basiese Invloedbepalingsverslag
KIBV	Konsep Basiese Invloedbepalingsverslag
km	Kilometer
kV	Kilovolt
MW	Megawatt
OIB	Omgewingsinvloedbepaling
WNOB	Wet op Nasionale Omgewingsbestuur