

Enclosed is BID 2 which includes Additional Corridors

BACKGROUND

The demand for electricity in Port Elizabeth and surrounding areas is getting very close to the amount of electricity currently available. In view of the anticipated increased demands from the Coega development and the expected average 1.5 % growth rate of Port Elizabeth and its surrounds, a more reliable and larger supply of electricity to the area is required. Very shortly, Eskom will have three 400 kV transmission lines running between Cookhouse and Port Elizabeth. However, the amount of electricity that these lines can supply is not sufficient, particularly if there is a fault or a line is required to be shut down for maintenance.

For these reasons, Eskom is proposing a new 400 kV transmission line from the Eros sub-station near Harding in KwaZulu-Natal to the Grassridge sub-station in Port Elizabeth. To ensure that this line is able to supply other major centres in the Eastern Cape with more electricity in the future, the line is also routed near Umtata and East London. The transmission line is approximately 650 km in length and each steel tower is approximately 40 m tall. The cross-rope suspension tower design will be used (see diagram).

ENVIRONMENTAL IMPACT ASSESSMENT

The construction of an electricity transmission line is a listed activity in terms of current environmental legislation, requiring the proponent to undertake an Environmental Impact Assessment (EIA) ahead of construction activities.

Accordingly, Eskom has appointed Eyethu Engineers CC to undertake an EIA for the proposed Eros-Neptune-Grassridge 400kV transmission line. The findings of the EIA will be considered by the National Department of Environmental Affairs and Tourism (DEAT), with recommendations from the KwaZulu-Natal Department of Agriculture and Environmental Affairs and the Eastern Cape Department of Economic Affairs, Environment and Tourism. At the end of the process, DEAT will issue a Record of Decision that either approves the proposed project with conditions or rejects the project.

ROUTE SELECTION (refer to map overleaf)

A number of technically feasible corridors (5 - 10 km wide) will be assessed during the EIA, with input from relevant authorities, Eskom, affected landowners, the public, other stakeholders and the EIA team, including specialists. The range of specialists selected for this study include people with expertise in the natural environment (e.g. ecosystems, plants, animals), landuse and economic activities (e.g. agriculture, conservation, tourism and settlement), cultural heritage resources (e.g. archaeology), the visual landscape and the human environment.

Once a preferred corridor has been selected, Eskom will negotiate a 55 m wide servitude within this corridor with the relevant landowners, and compensation terms agreed upon.

AGTERGROND

Die elektrisiteitsaanvraag in Port Elizabeth en omliggende gebiede is baie vinnig besig om die beskikbare hoeveelheid elektrisiteit in te haal. Met die oog op die verwagte toename in elektrisiteitsaanvraag van die Coega ontwikkeling en die geskatte gemiddelde 1.5 % groeikoers van Port Elizabeth en omliggende gebiede, word meer betroubare en groter elektrisiteitsvoorsiening in die area benodig. Eskom sal binnekort drie 400 kV transmissielyne tussen Cookhouse en Port Elizabeth hê. Die hoeveelheid elektrisiteit wat hierdie lyne kan lewer is egter nie voldoende nie, veral nie as daar 'n fout op een van die lyne is of wanneer 'n lyn afgesluit moet word vir herstelwerk nie. Om hierdie redes, stel Eskom 'n nuwe 400 kV transmissielyn vanaf die Eros sub-stasie naby Harding in KwaZulu-Natal tot by die Grassridge sub-stasie in Port Elizabeth voor. Om te verseker dat die lyn in die toekoms ander groot sentrums in die Oos-Kaap van meer elektrisiteit sal kan voorsien, sal die lyn naby Umtata en Oos London verbygaan. Die transmissielyn is ongeveer 650 km lank en elke staal toring is ongeveer 40 m hoog. Die kruis-lyn suspensie toring ontwerp sal gebruik word (sien diagram).

OMGEWING SIMPAKSTUDIE (OIS)

In terme van die OIS-regulasies van die Wet op Omgewingsbewaring vervat is, word omgewingsmagtiging vir die voorgestelde konstruksie van die transmissielyn vereis en moet Eskom 'n OIS onderneem voordat konstruksie begin.

Eskom het Eyethu Engineers CC aangestel as die Onafhanklike Omgewingskonsultant wat die OIS vir die Eros-Neptune-Grassridge 400 kV transmissielyn sal onderneem. Die bevindings van die OIS sal deur die Nasionale Departement van Omgewingsake en Toerisme (DEAT) oorweeg word. Aanbevelings sal deur die KwaZulu-Natal Departement van Landbou en Omgewingsake en die Oos Kaapse Departement van Ekonomiese Sake, Omgewing en Toerisme gemaak word. Aan die einde van die proses, sal DEAT 'n Rekord van Besluit uitreik wat die projek sal goedkeur onderhewig aan voorwaardes, of die projek sal afkeur.

GESELEKTEERDE ROETE (sien kaart)

'n Aantal tegnies uitvoerbare roetes (5 - 10 km wydte) sal tydens die OIS, met die insae van die relevante owerhede, Eskom, geaffekteerde grondeienaars, die publiek, ander belanggroepes, die OIS span en spesialiste ondersoek word. Die reeks spesialiste wat gekies is vir die studie sluit mense met kundigheid in die natuurlike omgewing (bv. Ekosisteme, plante, diere), grondgebruik en ekonomiese aktiwiteite (bv. Landbou, toerisme, vestiging), kultuurerfenis hulpbronne (bv. Argeologie), die visuele landskap en die menslike omgewing in. Wanneer die gedetailleerde roete geselecteer is, sal 'n 55 m wye servituut met geaffekteerde grondeienaars onderhandel word en hulle sal vergoed word soosoordeengkom tydens onderhandelings.

IMVELAPHI

Imfuno zombane eBhayi neziphaluka zikufushane kakhalu ekuwifinceni umthamo wombane osele ukho ukuxhasa le ngingqi. Xa kujongwa umbane ekuqikelela ukuba uza kufunwa lela zibuko laseNgqurha kune nento yokuba iBhayi neziphaluka izakukhulange 1.5%, kubakho imfune ko engamandla yokuba kwandiswe amandla asiwa kule ngingqi. Kwakamsinyane nje, uEskom uza kuba neentambo zombane ezintathu eziyi-400kV inye, eziza kuhamba phakathi kweCookhouse neBhayi. Ezi ntambo noko azinge kwa zombane neemfuno kumaxesa kaxakeka afunisa ukuba enye yezo ntambo iba nengxaki kuze kufuneke ukuba umbane ohamba kuyo ukhe unquyanyiswe de ilingiswe loo ngxaki. Kungenxa yezi zizathu ke uEskom eceba ukufakela enye intambo ehambisa umbane oyi400kV, osuka kwizikwana iEros kufutshane neHarding kwaZulu Natal ukuya kwizikwana iGrassridge eBhayi. Ukuqinisekisa ukuba kwixa elizayo nezinye iindawo zeMpuma Koloni ziayhamla kolufakelo, le ntambo intsha iyakunyathela eMlata naseMonti. Ezi ntambo zingangama- 650km ubude kwaye ziza kuxhonywa kwiintsimbi ezingayi- 40m ukuphakama. Indlela eza kusetyenziswa ukuxhoma ezi ntambo kuthiwa *yicross-rope suspension tower design* (jonga umfanekiso).

UPHANDO NGEFUTHE KOKUSINGQONGILEYO

Ngokomthetho okhoyo ngoku ojongene nokusingqongileyo, phambi kokuba kwensiwe nayiphina into edibene nokwakha, njengokuba uEskom eza kwenza kolufakelo ntambo, kufanele loo mntu unqwelenwa ukwenza umsebenzi aqale ajonge ukuba loo nto aceba ukuyenza iza kuyichaphazele njani na indalo.

UEskom uye waqesha uEyethu, oyinkampani yeeenjinel iukuba enze uphando lokuchaphazeleka kwendalo. Iziphumo zolo phando ziaykuqwalaselwa liSebe likazweloneke lwemicimbi yokusingqongileyo nezokhenketho (DEAT). Liya kusebenzisana neSebe lezolimo nezendalo kwaZulu Natal kune neSebe lemicimbi yezoqoqosh, ezendalo nokhenketho eMpuma Koloni. Yakuba igqityiye yonke le nkquleqhu, ela sebe likazweloneke lezendalo nokhenketho lilo eliya kwenza isiqqibo sokuyamkela okanye siykhabe le mbono kaEskom, ngokubona iziphumo zophando ukuba zithini na.

UKHETHO LUENDLELA EZA KUHAMBA EZI NTAMBO (jonga imaphu ephepheni elilandelayo)

Ngexesa lophando ngokuchaphazeleka kwendalo, kuya kukhangelwa eyona ndlela (5 ukuya kwi-10km ububanzi) ekufanele ihanjwe zezo ntambo zombane. Esi sigqibo sixomekeke kwizimvo zabantu abaninzi: Eskom, abanini mhlabi abachaphazeleka, uluntu ngokubanzi, abanye oosomagunya, iqela elenza uphando nabanye oomakhwekhwetha. A ba makhwekhwetha baquka abantu abanolwazi nezendalo, usetyenziso mhlabi nezoqoqosh, ezenkcubeko, ezobume bomhlaba kune nabo bajongene nemicimbi yezeluntu.

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SPECIALIST STUDIES

The following specialist input will be obtained as part of Scoping:

- ◆ **Avifauna (birds):** Chris van Rooyen, Endangered Wildlife Trust
- ◆ **Cultural heritage (e.g. archaeology):** Len van Schalkwyk, eThembeni Cultural Heritage
- ◆ **Ecology:** Willem de Frey, EkolInfo
- ◆ **Land Use:** Garry Patterson, Institute for Soil Climate and Water
- ◆ **Social:** Johan van der Walt, ACER (Africa)
- ◆ **Soils & geology:** GV Price, Terreco
- ◆ **Visual:** Menno Klapwyk, Cave Klapwyk & Associates
- ◆ **Zoology:** Dewald Kamffer, Ecocheck

Issues requiring further study will be investigated during the detailed impact assessment phase, and this may require additional specialists.

WILL YOU BE AFFECTED BY THE PROPOSED TRANSMISSION LINE?

A study area (see map), wherein the proposed line can be constructed, has been identified. It is necessary to determine the constraints within the study area, before a decision can be made on the routing of the line. The corridors shown vary in width between 5 and 10 km.

The main settlements, towns and cities near which the different corridors pass include: Harding, Ludeke, Flagstaff, Libode, Umtata, Idutywa, Butterworth, East London, Mdantsane, Bisho, King Williams Town, Peddie, Grahamstown, Sidbury, Aicedale, Paterson, Cannonvale and Colchester (both Port Elizabeth). **See BID 2 for new areas potentially affected.**

During the EIA process, additional corridors may be identified in the area. To ensure that you are kept up to date, register as an Interested and Affected Party (I&AP).

If you are unsure about whether you may be affected, contact the Public Participation office for assistance.

SPESIALIS STUDIES

Die volgende insette sal van spesialiste verkry word as deel van die Omvangsbepliging:

- ◆ **Avifauna (voëls):** Chris van Rooyen, Endangered Wildlife Trust
- ◆ **Kultuurfenis (bv. argeologie):** Len van Schalkwyk, eThembeni Cultural Heritage
- ◆ **Ekologie:** Willem de Frey, EkolInfo
- ◆ **Grondgebruik:** Garry Patterson, Instituut vir Grond, Klimaat en Water
- ◆ **Sosiale Impak:** Johan van der Walt, ACER (Africa)
- ◆ **Grond & Geologie:** GV Price, Terreco
- ◆ **Visuele Impak:** Menno Klapwyk, Cave Klapwyk & Associates
- ◆ **Dierkunde:** Dewald Kamffer, Ecocheck

Kwessies wat verdere studie vereis sal ondersoek word tydens die gedetailleerde impakbepalingsfase. Dit mag moontlik addisionele spesialis studies verlang.

HOE OM TE WEET OF U GEAFFEKTEER GAAN WORD DEUR DIE VOORGESTELDE TRANSMISIELYN?

Die studie area (sien kaart), waarin die voorgestelde lyn opgerig gaan word is reeds geïdentifiseer. Dit is noodsaaklik om die beperkings binne die studie area te bepaal voordat 'n besluit oor die roete van die lyn geneem kan word. Die voorgestelde korridors wissel tussen 5 en 10 km in wydte.

Die hoof nedersettings, dorpe en stede naby aan die verskillende korridors sluit in: Harding, Ludeke, Flagstaff, Libode, Umtata, Idutywa, Butterworth, Oos London, Mdantsane, Bisho, King Williams Town, Peddie, Grahamstad, Sidbury, Aicedale, Paterson, Cannonvale en Colchester (byde in Port Elizabeth). **Sien AID 2 vir nuwe potensieel geaffekteerde areas.**

Gedurende die OIS proses sal addisionele korridors in die area geïdentifiseer word. Om te verseker dat u op hoogte bly, registreer as 'n Geinteresseerde en Geaffekteerde Party.

Indien u onseker is of u geaffekteer gaan word, skakel die Publieke Deelname Kantoor vir hulp.

We would welcome your presence at one of the following **Public Open Days:**

At the beginning of each Public Open Day, a short presentation of the project will be given. The project team will be available for the entire time and detailed maps will be on display for those interested.

U teenwoordigheid by die volgende **Publieke Opedae** sal hoog op prys gestel word:

Aan die begin van elke Publieke Opedag sal 'n kort voorlegging van die projek gedoen word. Die projekspan sal beskikbaar wees vir die duur van die opedag en gedetailleerde kaarte sal uitgestal word vir diegene wat geinteresseerd is.

- ◆ Zalisa uxwebhu lokuhlomla uze uluthumele: ngesandla, iposi, fax okanye ngekompyutha.
- ◆ Khangela kwikompyutha iziko IwakaEskom ubhalise, ujunge okukhoyo uze uvakalise nolovo Iwakho (www.eskom.co.za/ela).

IINGCALI EZIBANDAKANYIWEYO

Ezi zifundo zilandelayo ziza kwenziwa njengenxene yophando:

- ◆ **Inzululwazi ngezakudala:** Len van Schalkwyk, Ethembeni Cultural Heritage
- ◆ **Izifundo ngeentaka:** Chris van Rooyen, Endangered Wildlife Trust
- ◆ **Izifundo ngezinto eziphilileyo ngokunxulumene nendawo eziphila kuyo:** Willem de Frey, EkolInfo
- ◆ **UseTyenziso lomhlaba:** Garry Patterson, Institute for Soil Climate and Water
- ◆ **Iimpembelelo ekuhlaleni:** Johan van der Walt, Acer(Africa)
- ◆ **Izifundo ngemihlabu nenzululwazi ngokwakhwa komhlaba:** GV Price, Terreco
- ◆ **Iimpembelelo kwimbonakalo:** Menno Klapwyk, Cave Klapwyk & Associates
- ◆ **Izifundo zenzululwazi ngezilwanyana:** Dewald Kamffer, Ecocheck

WAZI NJANI UKUBA

UNGACHAPHAZELEKA LOLUFAKELO NTAMBO?

Sele zikhethiwe iindawo ekucingwa ukuba ziza kunqumla kuzo ezi ntambo zombane. Kubalulekile ukuba zonke izinto ezingayengxaki okanye izipazamiso ekufakelweni kwezi ntambo ziwalaselwe kwangoku, phambi kokuba kuthathwe isiqqibo esimiyo. Ububanzi beendawo ezi zakusetyenziswa kwindawo nganyebuphakathi kweemitha ezi5 nezilli-10.

iindawo ezinkulu ezi ntambo eziza kudlula kufuphi nazo zezi: Harding, Ludeke, Flagstaff, Libode, Umtata, Dutywa, Gcuwa, Monti, Mdantsane, Bisho, Qonce, Ngquashwa, Rhini, Sidbury, Aicedale, Paterson, neBhayi (Cannonvale neColchester). **Lindawo ezintsha ezingahle zichaphazeleke ziboniswe kwicewadana yesibini enika inkcazelongemvelaphi yalomcimbi**

Kungenzeka kongezwe ezinye iindawo ngexesa uqhubekeka umsebenzi wokujonga ukuchaphazleka kwendalo/kokusengqongileyo. Ukuqinisekisa ukuba uhlala usazi okwenzekayo, bhalisa njengomntu onomdia nochaphazelekayo ngulo mcimbi.

Ukuba akuqinisekanga ngochaphazeleko Iwakho, qhagamshelana ne-ofisi ejongene nothatho nxaxheba koluntu jikelele ucele amancedo.

Centre	Date	Time	Venue
Harding	Monday, 5 May 2003	12:00 – 17:30	Umuziabantu Municipality Town Hall, Marchison Street
Umtata	Tuesday, 6 May 2003	12:00 – 17:30	King Sabata Dalindyebo Municipality Hall, Corner Peddes/Owen Streets
Butterworth	Wednesday, 7 May 2003	12:00 – 17:30	Butterworth Town Hall, Corner King and Anna Streets
East London	Thursday, 8 May 2003	12:00 – 17:30	East London Municipality City Hall, Oxford Street
Grahamstown	Friday, 9 May 2003	12:00 – 17:30	Molteno Municipality City Hall, Church Street, Church Square
Cannonvale, Port Elizabeth	Friday, 9 May 2003	12:00 – 17:30	San Dunes Community Hall, Cannonvale

**ALREADY TAKEN PLACE
Please see BID 2 for
second round of
meetings**

PUBLIC PARTICIPATION OFFICE: CONTACT DETAILS

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