



ESKOM KOEBERG-ANKERLIG 132KV TRANSMISSION LINE BASIC ASSESSMENT



**SUSTAINABLE
FUTURES ZA**

FOCUS GROUP MEETING

NOTES OF FOCUS GROUP

Held on
Tuesday, 14 October 2014,
City of Cape Town Offices, Milnerton

Savannah Environmental (Pty) Ltd

Address: PO Box 148
Sunninghill, 2157
Tel: 011 656 3237
Fax: 086 684 0547
E-mail: joanne@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.

**FOCUS GROUP MEETING:
ESKOM KOEBERG-ANKERLIG 132KV TRANSMISSION LINE**

Venue: City of Cape Town, Milnerton Office
Date: Tuesday, 14 October 2014
Time: 10h00 – 11h30

MEETING ATTENDEES

Name	Organisation & Position
Shawn Johnston	Sustainable Futures ZA- Public Participation Specialist
Jo-Anne Thomas	Savannah Environmental
Jurina Le Roux	Eskom
Deon Jeannes	Eskom
Francois Marshall	Eskom PDP
Migel Coetzee	Eskom PDP
Alwyn Marais	Eskom GC
Rhett Smart	CapeNature
Morne Theron	City of Cape Town

APOLOGIES

No apologies were received.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Morne Theron from the City of Cape Town welcomed all present and handed the facilitation of the meeting over to Shawn Johnston. Shawn Johnston welcomed all present and asked everyone to introduce themselves. He then asked Jo-Anne Thomas of Savannah Environmental to clarify the project and clarify the concerns raised by the City of Cape Town and CapeNature during the registration period. Jo-Anne Thomas and the Eskom Team clarified the project and the various options for the proposed Eskom Koeberg-Ankerlig realignment of the existing 132kV transmission line. The Eskom Team clarified what is required in realigning the 132kV Koeberg-Ankerlig Transmission power line and the need for the project and concerns raised by the City of Cape Town. The main issues noted regarding the project are as follows:

- This power line is the dedicated off-site supply power line to Koeberg Nuclear Power Station. The line is utilised to bring power into Koeberg for the cooling function of the reactors. This line is a nuclear safety requirement for the Koeberg Power Station. The current power line route which is authorized between Ankerlig and Koeberg crosses four 400kV transmission lines. The power line for the dedicated supply needs to be an independent power line that is not crossed by any other power line, as prescribed by the Nuclear Regulator.
- The current power line does not comply with the requirements of the South African Nuclear Regulator, Nuclear Safety and the Nuclear License for Koeberg. A deviation of the line is required to address this.

DISCUSSION SESSION

Question / Comment	Response
<p>Morne Theron: The City of Cape Town is concerned about Eskom’s fragmented approach in the planning process and how Eskom is approaching the need for power lines in the Koeberg- Ankerlig triangle. This has been an on-going concern. The City of Cape Town would like to see an improved working relationship with Eskom. Eskom needs to understand the needs from the City of Cape Town and future planning in the larger Koeberg Area. The City of Cape Town is managing large tracts of rare and endangered Sandveld Fynbos in the area.</p>	<p>Shawn Johnston: Comment noted.</p>
<p>Morne Theron: The City of Cape Town do not support the power line route through the Witsand Nature Reserve.</p>	<p>Shawn Johnston: Comment noted.</p>
<p>Rhett Smart: Why was this route not investigated during the original transmission line environmental impact assessment process?</p>	<p>Jo-Anne Thomas: The proposed route was an alternative in the EIA process for the original line but was excluded at the end of the scoping process due to the sensitivity through the Witsand Nature Reserve.</p>
<p>Morne Theron: The basic assessment must include the City of Cape Town’s planning for this area and in the City’s letter submitted we clarify this.</p>	<p>Shawn Johnston: Comment noted.</p>
<p>Morne Theron: The areas around</p>	<p>Shawn Johnston: Comment noted.</p>

Question / Comment	Response
<p>Koeberg and Ankerlig are quite scenic. Most of the area is covered with rare Sandveld Fynbos. This is also a core 1 area for the City.</p>	
<p>Morne Theron: Our concerns are about maintenance under the existing power line corridors, management plans for the Fynbos below the power lines, fire management in corridors, contractor behaviour and operations within corridors.</p>	<p>Shawn Johnston: Comment noted.</p>
<p>Morne Theron: Please include the Sivest Management Plan produced for the area and included it into the environmental management plan for the Koeberg-Ankerlig power line. Speak to Jurina and Deon.</p>	<p>Shawn Johnston: Comment noted. Francois Marshall: I agree that this can be addressed within the environmental management plan for the power lines.</p>
<p>Morne Theron: Why does Eskom not put the line underground where it crosses the other lines? The City of Cape Town needs to see all of the alternatives that were investigated and we require clarity on each alternative. If you are saying that alternatives are not possible, please clarify and provide the City of Cape Town with reasons.</p>	<p>Alwyn Marais: underground cabling is not considered feasible due to issues relating to the reliability of the lines and the time taken to repair a fault. The NNR requires that the down time of the line for the dedicated supply must not exceed 3 days. it may not be possible to correct a fault in this timeframe with underground cables. This places the nuclear license of Koeberg at risk and is therefore not considered feasible. Eskom can clarify all the alternatives investigated in planning and the reasons why some of them are not feasible. We can provide this to Savannah Environmental for inclusion in the basic assessment report.</p>
<p>Morne Theron: We need to know what the cost of the various alternatives are being investigated. The power line across the R307 into the Witsand Nature Reserve is a no-go for the City of Cape Town. Can the line be placed into the road reserve next to the R307 and then connect to the existing line? Can this alternative be placed on a monopole structure between the road and Ankerlig power station fence?</p>	<p>Francois Marshall: Eskom can consider these alternatives and provide feedback in terms of technical feasibility to Savannah Environmental for inclusion in the basic assessment report.</p> <p>Alwyn Marais: We will clarify the alternatives brainstormed in this meeting and clarify whether the alternatives are viable alternatives to be taken forward in the study.</p>

Question / Comment	Response
<p>Morne Theron: We would support the alternative in the R307 road reserve next to Ankerlig power station which then links into the existing 132kV line going into Koeberg.</p>	<p>Shawn Johnston: Comment noted.</p>
<p>Morne Theron: Please ensure that the future of gas pipelines for Ankerlig is also considered when you look at power line alternatives as you would not want to place your new power lines where it obstructs the gas pipeline routes. Please consult the gas pipeline route alternatives.</p>	<p>Shawn Johnston: Comment noted. Jo-Anne Thomas of Savannah Environmental will clarify this with the Eskom Team.</p> <p>Deon Jeannes: The gas pipeline and power line survitudes might clash. We need to clarify this with Sun Bird Consulting.</p>
<p>Shawn Johnston: The following options have been clarified and will be taken forward into the Eskom Koeberg-Ankerlig 132kV realignment basic assessment study:</p> <ol style="list-style-type: none"> 1. Alternative 1: Original alternative crossing the R307 into the Witsand Nature Reserve; 2. Alternative 2: The option of placing the power line along the R307 road and linking into the existing Koeberg-Ankerlig 132kV power line; 3. Alternative 3: Routing the line around the substation next to the Dassenberg Road and then down towards Neil Hare road next to the existing road. 4. Alternative 4: An underground cable at the 400kV transmission lines crossing; 5. Alternative 5: No-go option 	<p>Shawn Johnston: Comment noted.</p> <p>Alwyn Marais: We will clarify all of these alternatives and it will be taken forward by Savannah Environmental. The Eskom technical team will provide Jo-Anne Thomas with the required information for the baisc assessment.</p> <p>Francois Marshall: We will consider the technical feasibility of the alternatives on the table and will revert back to Savannah Environmental. Only feasible alternatives will be assessed in the Basic Assessment Report.</p>

WAY FORWARD AND CLOSURE

Shawn Johnston thanked the City of Cape Town for hosting the focus group meeting and everyone present for their attendance and inputs.

The meeting closed at 11h30.