

**MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 165TH GENERAL MEETING HELD AT THE FRANSCHHOEK MUNICIPAL HALL , FRANSCHHOEK ON FRIDAY, THURSDAY, 13 NOVEMBER AT 14H00 AND FRIDAY, 14 NOVEMBER 2008, AT 09:00**

**NOTULE VAN DIE DIE VMEO-GEAFFILIEERDES / GOEIE HOOP-TAK SE 165STE ALGEMENE VERGADERING GEHOU OP DONDERDAG, 13 NOVEMBER 2008 EN VRYDAG, 14 NOVEMBER BY DIE FRANSCHHOEK MUNISIPALE SAAL, FRANSCHHOEK**

THURSDAY, 13 NOVEMBER 2008

ATTENDANCE / BYWONING

MEMBERS / LEDE

J J G Nel (Johan)	- Chairman: Oudtshoorn (nel@oudtmun.co.za)
F L U Daniel (Fred)	- Hon. Secretary - Cape Town (pjt.cape@telkomsa.net)
J Rossouw (Johan)	- Breede River Winelands (jrossouw@breeland.gov.za)
W Albertyn (Willem)	- Breede Valley (walbertyn@breedevallei.gov.za)
P Van Dalen (Pieter) Cllr	- Cape Town ( <a href="mailto:Pieter.vanDalen@capetown.gov.za">Pieter.vanDalen@capetown.gov.za</a> )
N Ballantyne (Neil)	- Cape Town (neil.ballentyne@capetown.gov.za)
J J van Zyl (Jac)	- Cederberg (jacvanzyl@vodamail.co.za)
J G Coetzee (Jan)	- Drakenstein (jan@drakenstein.gov.za)
J S Coelho (Joe)	- Eskom (joe.coelho@eskom.co.za)
J H du Plessis (Kobus)	- Overstrand (kduplessis@overstrand.co.za)
D R Maree (Danie)	- Overstrand (dmaree@overstrand.co.za)
L Gcuku (Lunga)	- Stellenbosch (lungag@stellenbosh.org)
F Koegelenberg (Floris)	- Stellenbosch (florisk@stellenbosch.org)
J Davies (Jonathan)	- Stellenbosch (jonathand@stellenbosch.org)
J R Hames (Joe)	- Stellenbosch (josephh@stellenbosch.org)
LJ de Lange (Louw)	- Stellenbosch (lourensd@stellenbosch.org)
MN Slabber (Martin)	- Stellenbosch (martins@stellenbosch.org)
D Engelbrecht (Deon)	- Swellendam (dengelbrecht@swellenmun.co.za)

AFFILIATES / AFFILIATE

R Wallis (Bob)	- AMEU Affiliates Chairman, M&M (wallis@merz.co.za)
R Els	- Secretary Affiliates (Robert.els@alstom.co.za)
C J Marinus (Corry)	- ABB (corrym@arb.co.za)
J S Steele (Struah)	- Alstom (struan.steele@alstom.co.za)
GP Smit (Gareth)	- Alstom (garett.smit@alstom.co.za)
GR Whyte (Greg)	- Alstom (greg.whyte@alstom.co.za)
L Petersen (Leonard)	- Alstom Siyakaha (Leonard.petersen@alstom.co.za)
P Seaman (Pauline)	- Arb Electrical (Pauline@arb.co.za)
M Botha (Madeleen)	- Badacious Eng (madeleen@badacious.co.za)
FM van Staden (Martin)	- Beka (martinvs@beka.co.za)
CJ Bezuidenhout (Bertie)	- Conlog (vissers@conlog.co.za)
J du Plessis (Johann)	- Element Consulting Engineers (johanduplessis@eceng.co.za)
TJ Devenage (Theuns)	- Element Consulting Engineers (tdevenage@eceng.co.za)
PJ du Plessis (Jacques)	- Element Consulting Engineers (jduplessis@eceng.co.za)
L Blumberg (Leon)	- Ellies (Pty) Ltd (leon@elliescape.co.za)
IJ Steyn (Ian)	- Easy Pay (ian.stey@easypay.co.za)
D Pieters (Durr)	- KV3 (dpieters@kv3.co.za)
OCT Potgieter (Theo)	- KV3 (tpotgieter@kv3.co.za)
AJ de Swart (Braum)	- Landis Gys (braam.deswart@landis&gys.co.za)

## 1. OPENING AND WELCOME / OPENING EN VERWELKOMING

1.1 The chairman welcomed Cllr Mcako, Deputy Executive Mayor, Stellenbosch Municipality and Cllr Mgijima the Portfolio Councillor for Engineering Services, members of the Executive Council, members, affiliate members and visitors to the 165<sup>th</sup> meeting of the Good Hope Branch and asked Mr Deon Louw to do the opening prayer.

### 1.2 Arrangements/Reëlings

The Chairman gave details of the arrangements for the tea break at 15:30 and dinner to be held at Dieu Donne at 18:30 and asked Mr Floris Koegelenberg to explain how to get to Dieu Donne later this afternoon.

### 1.3 Acknowledgments/Bedankings

The Chairman thanked Mr Floris Koegelenberg for his involvement in the organisation of the meeting at Franschhoek and Mr Robert Els of the Affiliates for his organisation of the social activities for the meeting

### 1.4 Announcements/Aankondigings

The Chairman said that its with great regret that he had to record the following obituaries Mr Charl du Plessis retired Engineer from Worcester Mr Hennie Dreyer a founder member of the Good Hope Branch and retired Engineer from the Hospital Section of the Provincial Government at the Western Cape and sudden passing of Mora Daniel our Honorary Secretary's spouse. Mora had a long association with the AMEU from the time Fred was elected as Vice President Elect of the AMEU up to the recent past.

The Chairman requested that the meeting be upstanding to observe a few moments of silence in honour of those who had departed.

## 2. APOLOGIES / VERSKONINGS

Dick Naidoo	-Mossel Bay
Peter Fowles	-Executive Council
Len Richardson	-Knysna
Roelof van Staden	-Beaufort West
Francois du Toit	-Theewaterskloof
Tom Rossouw	-Swartland Municipality
Neils Rossouw	-Bergrivier Municipality

## 3. CHANGE OF ADDRESS / ADRESVERANDERING

None recorded.

## 4. CONFIRMATION OF MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S ANNUAL GENERAL MEETING AND THE 164th GENERAL MEETING HELD AT BUFFELSFONTEIN GAME AND NATURE RESERVE, YSTERFONTEIN (SWARTLAND MUNICIPALITY) ON THURSDAY 29 AUGUST 2009 AT 08:30 FOR 09:00 / BEKRAGTIGING VAN NOTULE VAN DIE VMEQ-GEAFFILIEERDES / GOEIE HOOP-TAK SE JAARVERGADERING EN DIE 164ste ALGEMENE VERGADERING GEHOU OP VRYDAG, 28 AUGUST, OM 8:30, VIR 09:00 BY BUFFELSFONTEIN WILDNATUURRESERVAAT, YSTERFONTEIN (SWARTLAND MUNICIPALITEIT)

4.1 Copies of the minutes having been circulated to all members, it was proposed by Mr Rens

Bindeman and duly seconded by Mr Neil Ballentyne, and agreed that the minutes be approved for signature by the Chairman.

5. MATTERS ARISING FROM THE MINUTES AND NOT ON THE AGENDA  
SAKE VOORTSPRUITEND UIT DIE NOTULE EN NIE OP DIE AGENDA NIE

None

6. ADDITIONAL ITEMS TO BE DISCUSSED UNDER ITEM 15  
BYKOMENDE ITEMS VIR BESPREKING UNDER ITEM 15

None

7. CORRESPONDENCE / KORRESPONDENSIE

Incoming

- 7.1 Faxes and E-mails ex Robert Els
- 7.2 Fax from Johan Nel – EDI Holdings Forum

Outgoing

- 7.4 Fax Robert Els– re programme
- 7.5 Fax Johan Nel, Michael Rhode – EDI Forum

8. REPORTS / VERSLAE

8.1.1 Greg Whyte - Alstom – HRC Fuses in MV Switchgear

Greg gave details of an incident at Eskom on 01-04-2004 involving a Load make fault break unit which failed on switch closing. A second incident when a new section of fuses inserted and the switch closed covers were blown off fortunately nobody was injured. A third catastrophe failure on 3 April 2004 occurred as a result of HRF failure. A low current had causes fuses element to melt and the striker pin to operate but became the HRC fuse had been incorrectly inserted no tripping could take place and the fault maintained until electric failure resulted. A video of NEFTA, testing of the HRC fuses and showed the catastrophe failures if incorrectly chosen for the duty perceived. Greg drew attention to the fact that an incident involving a HRC fuse to blow in a three phase environment all three fuses should be replaced to ensure that the equipment reliability had not been impaired.

8.1.2 Jacques du Plessis – Element Consulting Engineers – Substation Construction

A short company overview given by Jacques ISO 9000 registered. Involvement with City of Cape Town 132kV Main Sub station. The importance of the waterproofing of the building demonstrated and the result of improper waterproofing. Earthing requirements of a substation discussed and how standards are met. Reinforcing earthings the importance of maintaining high standards highlighted and the methods to be employed to realise the standard required eg. the correct procedures of attaching earthing conductor to reinforcing rods. The importance of the alignment of switchgear and the provision to be made in building construction that to effect this demonstrated building lighting discussed in some detail.

8.1.3 S S E. Clive March – Building Blocks for Substations

BTU philosophy for substation briefly put into perspective.  
Telemetry RTU's – Software and SCADA  
Typical System layout displayed

Plant instructions Micro processor based  
Wide area network substation to Master Station  
DIP 3 IEC Standard  
Data Managing and reporting  
RTU Function. Multiple protocols and multiple functions  
A system in operation was displayed to the members

- 8.1.4 **Neil Douglas – Wind Generation – Green Technologies**  
Sustainable growth  
Particular application to Housing development in South Africa  
Hybrid solution for SA in a sustainable market  
Generation of Wind high speed 25kwh/day  
Generation of Wind High Speed 25kwh/day  
Provision of units for Gateway Project of 22000 houses

The Chairperson closed the meeting at 16:00

Friday, 14 November 2009

EXECUTIVE COUNCIL MEMBERS / UITVOERENDE RAADSLEDE

P E Fowles (Peter) - AMEU (pf15@mweb.co.za)  
H Roos & Cllr

MEMBERS / LEDE

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M M I Modise (Molefi) - de Villiers and Moore (molefi@devmoore.co.za)

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M A du Plessis (Michelle)	- Osram (m.duplessis@osram.co.za)
R C Millard (Ron)	- PB Power (millardr@pbworld.com)
J C de Ridder (Jan-Carel)	- PWC (jan-carel.de.ridder@za.pwc.com)
R Bindeman (Rens)	- Revenue Protection (rens@mweb.co.za)
S S Qwesha (Sipholo)	- Sicame (simon@sicame.co.za)
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N D de Lorme (Neil)	- Strike Technologies (neile@strike.co.za)
P B Smuts (Pieter)	- WCACIA (info@cwacia.co.za)

### VISITORS / BESOEKERS

J G Louw (Deon)	- EDI Holdings (deon.louw@ediholdings.co.za)
G A Veeran (Gavin)	- EDI Holdings (gavin.veeran@ediholdings.co.za)
J Renney (Joe)	- PGWC (jrenney@pgwc.gov.za)

### APOLOGIES / VERSKONINGS

R S Maphumulo (Sandile)	- AMEU President (maphumulors@elec.durban.gov.za)
S Gourrah (Sy)	- AMEU President Elect (syg@buffalocity.gov.za)
M P P Clarke (Max)	- AMEU News (mppc@mweb.co.za)
Tom Rossouw	- Swartland Municipality
Niel Rossouw	- Bergriver Municipality

### 9 WELCOME / VERWELKOMING

The Chairman welcomed the Executive Members, members, Retired Members, Affiliates and Visitors, and outlined the morning's proceedings, including the arrangements for the tea break and lunch after the closure of the meeting.

The Chairperson thanked Robert Els for the successful Dinner at Dieu Donne and Floris, Rochelle and Annemarie for their involvement therewith. The Chairman reminded members that DME's Mossel Bay meeting scheduled for 21 November 2008

### 10 **REPORTS / VERSLAE**

#### 10.1 Progress of AMEU/Eskom Sub-Working Groups Vordering van die VMEO/Eskom-subwerksgroepe

The representative of the various Sub-Working Groups reported as follows:

##### 10.1.1 **Eden en Klein Karoo**

Vergadering word op 5 Desember gehou

##### 10.1.2 **West Coast**

Niks verder om te rapporteer nie.

##### 10.1.3 **Overberg**

Geen verdere vordering

- 10.1.4 **Boland**  
Niks om verslag oor te doen nie
- 10.1.5 **City of Cape Town**  
Watching developments.
- 10.2 Report from Representatives on the Executive Council  
Verslag van Verteenwoordigers van die Uitvoerende Raad
- 10.2.1 **Welcome to Councillors**  
Valentine – Ekhuruleni  
Pieter van Dalen – Londt George  
Members of the Executive Council – Michael Rhode  
Bob Wallis & Kevin Grunewald  
Structuring and Legal
- 10.2.3 Installation Regulations- Renewable Energy and Energy Efficiency  
Energy Efficiency and DSM R 2x109 available of which R175m is for the Municipalities  
Energy Conservation Rules to be work shopped.  
25Gwh from 5 MVA customers.  
Standard By-laws for Energy Efficiency  
Eskom worn of a 2 week blackout in January – February 2008  
Cross Subsidisation – Nothing New
- 10.2.4 Tariffs – No response to request for comments
- 10.2.5 Notified Demand Rules changed by Eskom
- 10.2.6 Audit on diversified supplies
- 10.2.7 Load shedding in January / February 2009 possible due to Eskom maintenance programme  
2cent Levy to be implemented July 2009
- 10.2.8 Education and Training  
Gaps in NQF 3& 4 levels  
Lack of Qualified Engineers  
Access to funds throught SETA  
Special Development  
Eskom Contractor Academy  
MERSETA Qualification
- 10.2.9 Restructuring  
First Red – Red 2 nearly ready to be implemented  
Asset Transfer 23 issues identified  
Eskom participating
- 10.2.24 Technical  
NERSA Amatola Green Power  
ECSA Environmental Bill withdrawn  
2010 Committee  
External Work Groups  
Energy Efficiency, streetlighting and traffic signals r180m for CFL's  
R10 – 70% to municipalities 30% to Eskom  
Deon Louw average age of Engineers > 54 years
- 10.3 Sub-Committee: Wiring Code Revisions and Standard Electricity Supply By –Law

Subkomitee: Bedradingskodehersienings en Standaardelektrisiteitsvoorsienings Verordening.  
(Convener: Mr N Ballentyne / Saameroeper: mnr N Ballantyne)

10.3.1 Mr. Ballantyne reported as follow:

- Amendment 6 Wiring Code available, Surge protection
- Medical Location. Alternative energy supply
- By law being revised and workshopped internally
- Final on AMEU website
- Peter Fowles reported further on the Regulations and By Laws and the AMEU's concern regarding the progress being made in this regard.

10.3.2 Joe Renney PGWC reported as follow:

- Housing department building houses from 30m<sup>2</sup> to 40m<sup>2</sup>. Design includes electricity supply to the building.
- Training R 1000 000 received for SETA Courses
- Training courses start December continuing to March 2009
- Transport and Public Works
- 30 Engineers available to local Authorities
- Funding Options master Planning R 1,7 x 10<sup>6</sup> available
- Western Cape Energy Forum Mossel Bay

11. FEEDBACK FROM SARPA by Mr. Rens Bindeman

- 11.1 Rens Bindeman Reported: - SARPA Exco meet next week  
 11.2 Training in Zambia to commence January 2009.  
 11.3 Water Congress – Rens to deliver a paper on Revenue Protection.  
 11.4 2<sup>nd</sup> Hand goods Act- Berg van der Walt gave feedback  
 11.5 SARPA Congress in Cape Town, July 2009

12 INDUSTRY RESTRUCTURING – Mr Deon Louw – EDI Holdings

- 12.1 No report by Deon Louw

13. Compliance Legislation  
 Nothing reported

14. Incidents / Accidents

Young child electrocuted by coming into contact with unsafe lines over Telkom lines.  
 Mr Koegelenberg reported that a person climb up a structure pole and he cut the earth wire next to the transformer and electrocuted him. The incident was not reported to the SA Police.  
 Overhead lines – stolen lines were on the ground.

15. ITEMS STANDING OVER FOR DISCUSSION FROM 165<sup>TH</sup> GENERAL MEETING  
ITEMS WAT OORSTAAN VIR BESPREKING VAN DIE 165STE ALGEMENE VERGADERING

None

16 PRESENTATIONS

- 16.1 NERT – Peter Fowles – Energy Conservation  
 16.1.1 Background to the energy strategy given  
 16.1.2 One Eskom has an Energy Response Time  
 16.1.3 NRO48 Smart Metering



- 16.1.4 Workgroups
  - 16.1.4.1 Cogeneration and Marketing
  - 16.1.4.2 Composition of NERSA
  - 16.1.4.3 One meeting per month
  - 16.1.4.4 Regulations
  - 16.1.4.5 Compulsory Norms and Standards
    - 16.1.4.5.1 Reticulation R773m 18 July 2008
    - 16.1.4.5.2 R1190 available 17 September 2008
    - 16.1.4.5.3 Deviation from Approved Tariffs
    - 16.1.4.5.4 Energy Conservation Scheme
    - 16.1.4.5.6 Draft rules to NERSA – Open debate 25 October 2008
- 16.1.5 Eskom schedules and graphs shown
  - 16.2.1 Madeleen Botha – Boadacious – Load Control Units
    - 16.2.1.1 Load Unit programme to maintain Frequency and Voltage to an initial level
  - 16.2.2 Units provide instant load reduction
  - 16.2.3 Grid restoration in a random way  
Switching done on domestic loads
  - 16.2.4 Cost of Units vs Cost of new generation  
Unit cost R300 plus installation cost of R150 per unit
- 16.3 Neil van der Merwe
  - 16.3.1 Renewable Energy cost in Tariff proposals of cost of energy generation
  - 16.3.2 Cost of energy generation in Australia
  - 16.3.3 Capital cost of generation  
German Cost of Green Energy 2007 – 8.7%
  - 16.3.4 Obligation to purchase and pay compensation
    - 16.3.4.1 Cost divided equally across all the installations
    - 16.3.4.2 Compensation paid
  - 14.3.5 Common Pricing – Section 10 of Act Grid Costs
    - 14.3.5.1 Grid upgrading distributed across all consumers in the Grid
  - 16.3.6 SA Feed inTariff  
Scope and objectives. Rules and Licenses
    - 16.3.6.1 Applicant to NERSA
- 16.4 Michelle du Plessis – Osram LED Technology
  - 16.4.1 Discussed development of lighting sources
  - 16.4.2 Halogen E.S 30% saving
  - 16.4.3 Daylighter 35w down lighter 30%
  - 16.4.4 1w and 2w LED's
  - 16.4.5 Fluorescent tubes 45 000hrs  
High pressure sodium gaining importance
  - 16.4.6 Use of metal halide in streetlighting instead of high pressure sodium.
- 17. ADDITIONAL ITEMS FOR DISCUSSION / BESPREKING VA BYKOMENDE ITEMS
  - None

18 MATTERS FROM OTHER BRANCHES / AANGELEENTHEDE VAN ANDER TAKKE

On AMEU website.

19 GENERAL / ALGEMEEN

19.1 Struan Steel drew attention to the failures that had occurred with HRC fuse in Long and Crawford

19.2 Equipment and suggested that at programme be instituted by users to replace the retaining clips for the HRC fuses as a matter of urgency as these clips harden with age become brittle and compromise the operation of the fuse carriers.

20. SPONSORSHIP

Mr Robert Els wished to thank all of the firms who had provided sponsorship for the meeting, and the following:

Mr Michael Rhode and Stellenbosch Municipality

Annemarie Guttridge, Rochelle Nichols and Floris Koegelenberg for their involvement in the success of the meeting.

21. ELECTION OF OFFICE BEARERS FOR  
VERKIESING VAN AMPSDRAERS VIR

21.1 Election of Chairman, Vice-Chairman and Hon. Secretary for  
Verkiesing van Voorsitter, Ondervoorsitter en Eresekretaris vir

The following elections were duly made:

Chairman	Mr Johan Nel
Vice Chairman:	Mr Dick Naidoo
Hon. Secretary:	Mr Fed Daniel

21.2 Election of sub-Committee: Wiring Code Revisions and Standard Electricity By-Laws /  
Verkiesing van Subkomitee: Bedradingskodehersienings en Standaardelektriese  
voorsieningsverordening

The following elections were duly made:

Mr Neil Ballantyne

22. DATES AND PLACES OF MEETINGS  
DATUMS EN PLEKKE VAN VERGADERINGS

22.1 27 February 2009 -Swellendam

22.2 21 May 2009 -Worcester

22.3 20 August 2009 -Witzenberg

22.4 12/13 November -Mossel Bay

22.5 Mr Bob Wallis advised that the 2010 Convention is due to be held in Stellenbosch when Mr Mike Rhode will be inducted as President of the AMEU.

THE CHAIRMAN CLOSED THE MEETING AT ...12:45