

**THE ASSOCIATION OF MUNICIPAL ELECTRICITY UNDERTAKINGS
(SOUTHERN AFRICA)**

**DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS
(SUIDELIKE AFRIKA)**

GOOD HOPE BRANCH / GOEIE HOOP TAK

MINUTES OF THE 173RD GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UNDERTAKINGS (SOUTHERN AFRICA) HELD AT PINE LAKE MARINA, SEDGEFIELD ON THURSDAY & FRIDAY, 11 & 12 NOVEMBER 2010.

NOTULE VAN DIE 173^{DE} ALGEMENE VERGADERING VAN DIE VMEU-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) BY PINE LAKE MARINA, SEDGEFIELD GEHOU OP DONDERDAG EN VRYDAG, 11 & 12 NOVEMBER 2010.

THURSDAY, 11 NOVEMBER 2010 AT 14:00

DONDERDAG, 11 NOVEMBER 2010 OM 14:00

AMEU GENERAL MEETING -Session One

ATTENDANCE / BYWONING – 11 November 2010

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RETIRED MEMBERS

H Nel (Johan)	- Honorary member (neljgg@gmail.com)
O Bothma (Ockert)	- Honorary member

1. OPENING AND WELCOME / OPENING EN VERWELKOMING

The Chairman welcomed all and introduced the Executive Mayor of Knysna Municipality, Cllr Eleanor Bowspies, who addressed the meeting.

Extra item – Presentation by Tony McDonald – ERIC

See attached presentation

- Umbrella body to work with stakeholders in industry
 - comprises Sector Boards
- Registration of Inspectors
- Compliance of electrical components
- Inspection of installation work – Certificates of Compliance
 - can Municipalities work in conjunction with industry to assist the Authorise Inspection Authority?

1.2 Arrangements/Reëlings

Mr Robert Els gave details of the arrangements for the tea break at 15:30 and at 17:00 a visit to the Desalination Plant will take place. A braai will be held at 18:00.

Acknowledgments/Bedankings

The Chairman thanked the Mayor and staff of the Knysna Municipality, and Robert Els for the venue and opportunity to hold the meeting in their area.

1.4 Announcements/Aankondigings

None

2. APOLOGIES / VERSKONINGS

Fred Daniel

3. CHANGE OF ADDRESS / ADRESVERANDERING

Johan Nel announced that the new Engineer for Oudtshoorn is Cornie Kreef. (sp?)

4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S

172ND GENERAL MEETING HELD AT THE RIVIERA HOTEL, VELDDRIF ON FRIDAY, 20 AUGUST 2010.

BEKRAGTIGING VAN DIE NOTULE VAN DIE VME0-GEAFFILLIEERDES / GOEIE HOOP TAK, 172^{DE} ALGEMENE VERGADERING BY DIE RIVIERA HOTEL, VELDDRIF GEHOU OP VRYDAG, 20 AUGUSTUS 2010.

- 4.1 Copies of the minutes of meeting have been circulated to all members.
- 4.2 It was proposed by Deon Louw and duly seconded by Rens Bindeman 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**

None

8. **Presentations by Affiliates / Aanbiedings deur Geaffilieerdes**
See attached presentation for Item 8.3

8.1 **Smart Grid - Schneider Electric (Isaac Kruger)**

- Self-healing properties
 - Automatically detect load flow
 - Automatic switching
 - Fault location
 - To limit impact to smallest level
 - Future will be applicable to transmission & distribution networks
 - Near real time state estimations
 - Load forecasting
 - State of active and reactive power flow
 - Protection and control features
 - Need to change from radial to meet network designs
 - Demand response features – free market system between consumers and suppliers
 - Reliable, secure, economic, efficient, environmental friendly, safe

8.2 **Transformer manufacturing in China**
CBI Medium Voltage – Rudy Coetzee

- Started trading in 2008
- China electricity market overview given
- Transformer manufacturer
 - JSHP transformers Liyang City
 - Largest manufacturer in China
 - 2 200 workers
- Photo tour of plant shown
- Transportation to site, construction and commissioning
- Sales and after sales support

8.3 **Case studies – Smart Meter Project**
Itron – Rinaldo Cunha

- Key drives
- Technology
- Case study in US, Europe, Asia

- Key drives
 - Market deregulation
 - Energy efficiency
 - Distributed operation
 - Architecture for smart grid
 - Deferred generation – capacity
- Terminology components
 - Product (meter)
 - Communication channel via concentrator
 - Gateway to backend system
- Case study in France, Netherlands, UK, North America (US & Canada), South Africa showing
 - Drivers
 - Market
 - Feedback from trial / implementation
 - Key requirement
- Legislative changes for smart metering in SA
- Main challenges
 - Price
 - Delivery time
 - After sales service & support
 - Skill shortage
 - Security and privacy
 - End user involvement
 - Interoperability – standards
 - Clear strategy (tariffs, load management, load limiting, funding)
 - Long term product & system compatibility
- Project rollout Cost drivers explained
- Consumer needs to be convinced of benefit & savings to them
 - Lack of involvement & education
- Utility challenges
 - Supply capacity shortage
 - Energy efficiency
 - Accelerated electrification
 - Revenue protection
- Industry challenges
 - Standardisation
 - Convergence of technology
 - Funding issues

Close of day's session

Visit to Sedgefield Desalination Plant took place after the day's session.

FRIDAY, 12 NOVEMBER 2010 AT 09:00
VRYDAG, 12 NOVEMBER 2010 OM 09:00

AMEU GENERAL MEETING -Session Two

ATTENDANCE / BYWONING – 12 November 2010

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O Bothma (Ockert)	-	Honorary member

9. OPENING AND WELCOME / OPENING EN VERWELKOMING

The Chairman welcomed all and the session was opened with prayer by Deon Louw.

The President of AMEU, Michael Rhode addressed the meeting:

- Thanked Robert Els for all the arrangements.
- Thanked to Peter Fowles for all his input into the running of the AMEU nationally.
- Stated the need to encourage more lady members onto the Executive Council.
- Encouraged members to support requests from Peter Fowles.
- If possible, members to make themselves available as members of Task Teams and Work Groups.
- On the matter of cross border arrangements with Eskom he reported that a good working understanding has been developed with Eskom.
- Ockhart Bothma, previous Town Electrical Engineer of Mossel Bay was present with Honorary Membership of the AMEU and was given a Certificate.

Arrangements for the morning where announced, tea being at 10:30 and lunch at 13:30.

10. REPORTS / VERSLAE

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

The representatives of the various Sub-Working groups responded as follows:

10.1.1 Eden and Klein Karoo (Mr Johan Nel)

Hendriek Bamard did a presentation on behalf of the Eden and Klein Karoo area at the Public Hearing arranged by NERSA on the municipality's tariff proposals. Otherwise nothing further was reported – awaiting the municipal elections.

10.1.2 West Coast (Mr Roelof du Toit)

Nothing to report.

10.1.3 Overberg

Nothing to report

10.1.4 Cape Winelands (previously Boland)

Nothing to report

10.1.5 Cape Town Metro/Stad Kaapstad

Nothing to report

10.2 Report from the Representatives on the Executive Council Verslag van Verteenwoordigers op die Uitvoerende Raad (See attached slide presentation)

Kevin Grunewald highlighted the following with support by Peter Fowles:

- Peter Fowles reminded members to check if their AMEU subscriptions are paid.
- Situation with regard to Silas Zimm, City Power
- Circular has been sent out to members regarding Power Conservation Programme – on AMEU website re Energy Conservation Scheme
- IBT Workshops with NERSA was raised. NERSA are not assisting to get clarification. AMEU's request is for national workshop before regional workshops are held. Workshop are to be held as follows:

Cape Town	-	17 November 2010
Upington	-	21 November 2010
George	-	23 November 2010
- Municipality tariff that have been approved by NERSA are published on their website!

- AMEU website has been revised to be interactive
- The AMEU Convention 2011 is to be held in Cape Town on 26 – 28 September 2011

**10.3 Sub-Committee: Wiring Code Revisions and Standard Electricity Supply By-Law
Subkomitee: Bedradingskodehersiening en standaardelektrisiteitsvoorsieningsverordening**

There are no further development on the Wiring Code SANS 10142-1
Reminder given that the latest By-laws promulgated by various Municipalities are on the AMEU website. The Cape Town By-law takes account of Constitutional Court ruling on the disconnection of a block of flats by City Power in Johannesburg.

10.4 FEEDBACK FROM EDI HOLDING / TERUGVOERING VAN EDI HOLDING

A report was given by Deon Louw .
See presentation attached

11. FEEDBACK FROM SARPA / TERUGVOERING VAN SARPA

Rens Bindeman reported:

- Ghost CDU's must be treated very sensitively
- Regarding the "theft" of electricity, pressure is being applied at varies level for the law to be changed so that this criminal act can effectively be combatted.
- Non-ferrous theft – Second Hand Goods Act Regulations are needed to implement the law – should be by March / April 2011
- The programme assist municipalities which are struggling to reduce non-technical losses is to be tested at Drakenstein Municipality.
- Revenue Protection Workshop to be held in Cape Town on 8 December 2010.

12. REPORT FROM DEPARTMENT OF LOCAL GOVERNMENT / TERUFVOERING VAN DEPARTMENT VAN PLAASLIKE OWERHEDE

See presentation attached

Joe Renney reported:

- Department failed to get funding for training
- DBST have provided R3,9m funding for the period 2010 – 2013
- Master planning – Western Cape
- Eskom bursary available for 300 Engineers
- Short circuit course to be presented in 2011 for Municipal officials with at least N2 qualification in George and Worcester
- Retrofitting of street lighting with CFL's

13. COMPLIANCE / LEGISLATION

Nil

14. INCIDENTS / ACCIDENTS

Dick Naidoo report that accident occurred at Mossel Bay and he would provide details at the next meeting.

15. Presentations by Affiliates / Aanbiedings deur Geaffilieerdes

See attached presentations for Items 15.1, 15.2 & 15.4

**15.1 Repair of Distribution Transformers
Electro Inductive Industries – Errol Kotze**

- SANS 780 Accreditation needed by companies operating in the field
- SABS mark needed for transformers sold in SA
- Black equity holding is 70% by HDI's

- ISO 9001 : 2000 in 2002
- Manufactures of mini substations since 2006
- Smart Distribution Transformers 16- 100kVA up to 36kV using seamless winding core technology
- Large transformer 160 – 3150kVA up to 36kV
- Mini subs 200 – 1600 kVA – 22kV
- Oil & SF6 filled RMU to SANS 1029
- Power Transformer 4 – 20MVA to 88kV

**15.2 Cost effective technology to manage a low risk customer profile
Integrity control Systems – Claudia Coetzer**

- Electricity theft – “a fact of life” at different levels
- NORED – Northern Regional Energy Distributor in Namibia
- Experience with USAPHO, a contractor supplying TOU demand meters to NORED
- Their philosophy in electricity theft
 - education of consumers to counter electricity theft
- Different types of numbered and barcoded seals presented

**15.3 Equipment failures – cable joints and terminations
Tank Industries – Aad van Oosten**

- Method of installation is a major cause of equipment failure
- Revision of standards proposed
- Develop skills of installers by conducting training courses for jointers by MERSETA & ESETA
- Explanation of training courses presented

**15.4 Merges between Merz & McLellan & Mott MacDonald
Merz & McLellan – Bob Wallis**

- History of Merz & McLellan
- Work done became specialised
- Integration to give international exposure and access to technical resources
- Specialisation courses supply chain management challenges
- High voltage live line refurbishment shown
- Bob announced his retirement and was wished well by Johan Nel.

**16. ITEMS HELD OVER FOR DISCUSSION FROM 171ST GENERAL MEETING
ITEMS WAT OORSTAAN VIR BESPREKING VAN 171^{STE} ALGEMENE VERGADERING**

None

17. ADDITIONAL ITEMS FOR DISCUSSION / BESPREKING VAN BYKOMENDE ITEMS

None

18. MATTERS FROM OTHER BRANCHES / AANGELEENTHEDE VAN ANDER TAK

None

19. GENERAL / ALGEMEEN

Johan Nel proposed that AMEU should make Department of Local Government a non-distribution member of AMEU. This was accepted by Good Hope Branch. Joe Renney accepted with thanks and appreciation. This will be taken up by the Good Hope representatives on the Executive Council.

Dick Naidoo thanked Johan Nel for his leadership as Chairman of the Branch for the past period and wished him well for his retirement.

20. SPONSORSHIP

Mr Robert Els announced that 82 and 79 people attend the meetings on Thursday and Friday respectively. He thanked all the firms and EDI who had provided sponsorship for the meeting, and thanked Len Richardson and the Knysna Municipality for all the facilities that were provided.

21. ELECTION OF OFFICE BEARERS FOR 2011 / VERKIESING VAN AMPSDRAERS VIR 2011

**21.1 Election of Chairman, Vice-Chairman and Hon. Secretary
Verkiesing van Voorsitter, ondervoorsitter en Eresekretaris**

The follow were elected:

Chairman: Dick Naidoo
Vice Chairman: Francois du Toit
Hon. Secretary: Neil Ballantyne

21.2 Election of Sub-committee: Wiring Code Revisions and Standard Electricity Supply By-law

Verkiesing van Subkomitee: Bedradingskodehersienings en Standaard Elektrisiteitsvoorsieningsverordering

Elected : Neil Ballantyne

**21.3 Election of Good Hope Affiliate Chairman (one vote per affiliate company)
Verkiesing van Goeie Hoop Geaffilieerde Voorsitter**

Elected: Struan Steele

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

25 February 2011	Witsand (Hessaqua Municipality)
20 May 2011	Lamberts Bay (Cedarberg Municipality)
19 August 2011	Koeberg Nuclear Power Station (Cape Town Municipality / Eskom)
10/11 November 2011	Mossel Bay (Mossel Bay Municipality)

The Chairman thanked all for attending and closed the meeting at 12:50.

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CHAIRMAN

N BALLANTYNE
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