

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

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

**GOOD HOPE BRANCH / GOEIE HOOP TAK**

**MINUTES OF THE 177<sup>th</sup> GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UNDERTAKINGS (SOUTHERN AFRICA) HELD AT THE EDEN COUNTRY INN, KLEIN BRAK RIVER (MOSEL BAY MUNICIPALITY) ON THURSDAY & FRIDAY, 10 & 11 NOVEMBER 2011.**

**NOTULE VAN DIE 177<sup>de</sup> ALGEMENE VERGADERING VAN DIE VMEO-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) BY DIE EDEN COUNTRY INN, KLEIN BRAKRIVIER (MOSELBAAI MUNISIPALITEIT) GEHOU OP DONDERDAG EN VRYDAG, 10 & 11 NOVEMBER 2011.**

**THURSDAY, 10 NOVEMBER 2011 AT 14:00**  
**DONDERDAG, 10 NOVEMBER 2011 OM 14:00**

**AMEU GENERAL MEETING -Session One**

**ATTENDANCE / BYWONING – 10 November 2011**

**MEMBERS / LEDE**

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### **RETIRED MEMBERS**

JJG Nel (Johan)	-	Honorary member (neljgg@gmail.com)
O Bothma (Ockert)	-	Honorary member (bothma.o@telkomsa.net)

## **1. OPENING AND WELCOME / OPENING EN VERWELKOMING**

The Chairman welcomed all to the meeting which was opened with a prayer.

### **1.2 Arrangements/Reëlings**

Mr Struan Steel gave details of the arrangements for the tea break at 15:30 and a braai which will be held at 18:30.

### **Acknowledgments/Bedankings**

The Chairman thanked Eden Country Inn for the use of the facilities, Struan Steel for planning the meeting and the Affiliates for their sponsorship.

### **1.4 Announcements/Aankondigings**

None

## **2. APOLOGIES / VERSKONINGS**

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## **3. CHANGE OF ADDRESS / ADRESVERANDERING**

None

**4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 176<sup>th</sup> GENERAL MEETING HELD AT THE KOEBERG POWER STATION, DYNEFONTEIN ON FRIDAY, 19 AUGUST 2011.**  
**BEKRAGTIGING VAN DIE NOTULE VAN DIE VME0-GEAFFILLIEERDES / GOEIE HOOP TAK, 176<sup>de</sup> ALGEMENE VERGADERING BY DIE KOEBERG KRAGSTASIE, DYNEFONTEIN GEHOU OP VRYDAG, 19 AUGUSTUS 2011.**

- 4.1 Copies of the minutes of meeting had been circulated to all members.
- 4.2 The adoption of the minutes was proposed by Joe Coelho and duly seconded by Danie Maree.

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

The Electrical Contracting Board (ECB) no longer exists.  
 Tony McDonald, James Baker had asked for clarity on the position of the ECB regarding the registering of electrical contractors and the issuing of Certificates of Compliance  
 The use of Voltex as the registering body was rejected by the Department of Labour. Currently, there is no registration authority mandated to approve electrical contractors who may issue Certificates of Compliance.

**6. ADDITIONAL ITEMS TO BE DISCUSSED UNDER ITEM 17**  
**BYKOMENDE ITEMS VIR BESPREKING UNDER ITEM 17**

None

**7. CORRESPONDENCE / KORRESPONDENSIE**

None

**8. Presentations by Affiliates / Aanbiedings deur Geaffilieerdes**

**8.1 ABB – Mike de Swardt**

**“Disconnecting Circuit Breaker”**

- A safer, more reliable and more environmentally friendly solution
- Look at the way substations are built
  - concentration on safety
  - function of disconnecter
- Evolution of circuit breakers over time presented
  - Number of parts decrease, reliability increased
- Maintenance period discussed
- Busbar layouts investigated with effect on operations
- Increased safety when using the disconnecting circuit breaker (DCB) set-up presented
- Issue of a “visible gap” – not considered necessary
- DCB: CB block for earth switch to be closed remotely
- IEC 62271-108 is standard for DCB
- Reliability increased by 60%
- Maintenance times are reduced – means longer service times
- Removable links used to get busbar back into service during DCB maintenance
- Leads to major space saving of more than 40%
- Less steel supporting structures necessary

**8.2 Touch Works – Brian Mawdsley**

**“How low cost mobile technology enhances workforce productivity”**

Alert Manager :

- Reporting of any incidents or condition in field using a cell phone
- Use of drop down menu
- Message & photo & GPS co-ordinates are e-mailed to Utility
- Web based application
- Problems are solved faster

- Data is collected in a single database
- Cost R2 499 per month per Municipality
- Question was raised – Why couldn't the public use this system to report problems to the Utility?

### 8.3 Landis & Gyr – Thabiso Moiloa “To split or not to split” Is that still a question?

- Statement made by Minister of DOE regarding Eskom losses
  - better to use this funding for infrastructure
- Going the split meter route should be the norm as there are many benefits
  - access to the meter improved, tampering vastly reduced, etc
- Keypad / meter – no standard available yet
- Retrofitting prepayment split meters using PLC communication avoids the excavation and installation of pilot wires
- Meters can be monitored using remote access terminals – provides 2-way communication to the meter
- New model of PLC split meter has common base type keypad / display
- By adding a “flagged” interface module over optical port on meter, remote access to the meter is possible
- Credit tokens can be sent directly to meters after customers purchase
- Demonstration of remote access terminal software was demonstrated using “Suptalk”

### Close of day's session

**FRIDAY, 11 NOVEMBER 2011 AT 09:00**

**VRYDAG, 11 NOVEMBER 2011 OM 09:00**

### **AMEU GENERAL MEETING -Session Two**

### **ATTENDANCE / BYWONING – 11 November 2011**

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### **RETIRED MEMBERS**

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## **9. OPENING AND WELCOME / OPENING EN VERWELKOMING**

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

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

## **10. REPORTS / VERSLAE**

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

**Peter Fowles highlighted the following:**

- Financial statement
  - running close to budget
  - convention was successful – still R345 000 outstanding!
  - Increase in membership subscriptions
- Convention 2012
  - To be held in Erkuleleni at Emperor's Palace
- Election of Presidential candidates
  - Review of constitutional requirements
- Code of conduct
- Tariffs committee
  - MYPD 3 process – consultation with Minister in progress
  - MYDP 2
    - expect ± 27% increase July 2012
  - Eskom Homeflex TOU tariff being considered
  - Eskom met with DoE regarding Regulation R773 non-compliance problem – installation of smart meters by January 2012
- NERSA tariff issues
  - Guidelines consultation paper
  - Considering changes to IBT
  - Ever increasing cross subsidies no longer acceptable
- Banking of energy by small independent generators
  - Draft Eskom proposal to accommodate generators
  - Proposed rules to be circulated
  - Process for import & export of energy by generators
- Annual AMEU Tariff Survey
  - Steven Delport's model developed

- Eskom strategic price direction
- changes for 2013 / 2014

**EXCO Council meeting 29 September 2011 feedback by Kevin Grunewald**  
**(Slide presentation attached)**

- Ratified Hannes Ross as President Elect
- New Chairpersons for standing committees
- Project to fund Government Certificate of Competency exams by LESETA
- Branch meetings dates for 2012 scheduled
- Convention 2012 – there is a request for safety papers
- Energy conservation plan is finalised - could be needed due to generation / demand gap.
- Debate as to who should pay for street lighting – Electricity or Rates
- Certificate of Compliance and Electrical Contractor registration issue
- Eskom / Municipality supply area boundary debates
  
- Education and Training Committee
  - Funding from LGSETA available for Gov. Certificate Compliance
  - LV, MV line construction training programme
  - Switchgear training by Eskom
  - Electrical trade test rationalisation
    - little progress made
  - Minimum Competency Training (Section 57)
    - there is a problem to achieve this – will be address with SALGA
  - Small Municipalities have difficulties appointing electrical engineers
  
- Technical Committee
  - Renewable energy
    - REFIT dead!
    - Rebid Bid 1 submission closed last week
  - COP17 – outcomes to be announced
  - Copper theft could be viewed as sabotage
  - Resale of electricity – NERSA addressing issue
  - Electrification
    - DOE doing zero based costing
  - Eskom connection fees discussed
  
- Publicity and Papers
  - Website for members' use
  - AMEU news
    - Big edition for 25<sup>th</sup> year
  - Convention 2012 themes discussed

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

SANS 10142-1 Amendment 8 is out for comments and will be published December 2011 or January 2012.

Things to watch for are:

1. Competent person to sign CoC where more than 5 users are on one supply point
2. Each additional DB to have its own test page.
3. Accessible earth stud position to be indicated by means of a label on DB.

**11. FEEDBACK FROM SARPA / TERUGVOERING VAN SARPA**

Rens Bindeman reported:

- SARPA has 5 point strategy plan
  - Marketing SARPA's services (SARPA seen worldwide as world leaders)
  - Training (only Association doing training)
  - Combating non-ferrous theft
  - Membership (need to extend this)



- Standards & procedures
- Wanting SALGA to come onto EXCO
- Request for support at other Branch meetings
- Thanked AMEU for support given to SARPA

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

Joe Renney tendered his apology for not being able to attend the meeting and therefore there is no report.

**13. COMPLIANCE / LEGISLATION**

None

**14. INCIDENTS / ACCIDENTS**

None

**15. Presentations by Affiliates / Aanbiedings deur Geaffilieerdes**

**15.1 Actom – Jack Carne  
“Lighting – trying to make sense of Energy Efficient Lighting”  
Slide presentation attached**

- History of lights and lamps given
- Colour rendition of different light sources and light output (Lumens/Watt)
  - Ceramic metal halide lamps
  - LED lamps – the future light source (150 Lm/W in laboratory)
  - Energy efficiency vs environmentally friendly
  - For human eye warm white light is better than cool white
  - LED – hotter running temperature - shorter the life.
  - System Lm/W from ceramic metal halide streetlights is still higher than LED at lower luminaire cost
  - LED specification presented
    - report on SABS SC 64A - LED work group progress

**15.2 TIS – Technology Integrated Solution – Silas Moloko  
“Surge arrester Selection”**

- Problems caused by over voltages
  - Lighting
  - Switching
  - Sudden loss of load
- Surge arrester must be able to handle these over-voltages
- System needs to be effectively earthed
- Lightning – direct and indirect
- Types of arrestors
  - Gapped arrestors – old design
  - non – gapped – ZnO arrestors
- Arrester construction discussed
- Explanation of protection margin given to protect equipment
- Classes of arrestors covered
- Better to use polymer arrestors
- Selection process given

**15.3 Eskom Western Region - Lodine Redelinghuys  
“Integrated Demand Management”  
Slide presentation attached**

- Discussion of standard products
- ESCO pipeline projects
  - geyser load controls project re-instated in certain areas
  - Standard offer programme for commercial, individual & agricultural customers for 50 kW to 5 MW savings
    - lighting ]
    - building management ] 42c / kWh
    - hot water systems ]
    - process optimisation ]
    - solar water heaters - 70c / kWh
- Standard Product Programme
  - 1kW- 100 kW
  - for smaller individuals, commercial, agricultural (including bed & breakfast premises)
  - based on “off the shelf” products
  - toolkit is available on Eskom IDM website
  - for retrofits only
- Rebate programs
  - Solar water heaters
  - heat pumps
- Mass roll out of CFL's
  - in Cape Metro & Drakenstein areas
- Homeflex TOU pilot projects in Sandton and Kwazulu Natal being conducted.

**16. ITEMS HELD OVER FOR DISCUSSION FROM 176<sup>th</sup> GENERAL MEETING  
ITEMS WAT OORSTAAN VIR BESPREKING VAN 176<sup>de</sup> 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**

Jorge Pereira is to go on retirement in January 2012. Neil Ballantyne proposed that the Good Hope Branch submit a motivation to the Executive Committee for consideration of Honorary Membership for Jorge. Jorge has supported the AMEU and attended almost every AMEU meeting since the mid 1980's. This proposal was accepted by the meeting.

Kevin Grunewald's secretary, Irma ???? is retiring in January 2012. He suggested that a letter be sent to her thanking for all her assistance to Kevin as a member of the AMEU Executive Committee.

**20. SPONSORSHIP**

Mr Struan Steel thanked all the firms who had provided generous sponsorship for the meetings, and also thanked Eden Country Inn for all the facilities that were provided for the two days of meetings.

**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, ondervoorsotter en Eresekretaris**

The follow were elected:

Chairman: Francois du Toit – Theewaterskloof Municipality

Vice Chairman: Willie Albertyn – Breede Valley Municipality  
Hon. Secretary: Neil Ballantyne – City of Cape Town

**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 – City of Cape Town

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

24 February 2012	Vredendal (Matzikama Municipality)
18 May 2012	Wellington (Drakenstein Municipality)
17 August 2012	Koeberg Nuclear Power Station (City of Cape Town / Eskom)
8/9 November 2012	George (George Municipality)

The Chairman thanked all for attending and closed the meeting at 13:15.

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**CHAIRMAN**

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