

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

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

**GOOD HOPE BRANCH / GOEIE HOOP TAK**

**MINUTES OF THE 180<sup>TH</sup> GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UNDERTAKINGS (SOUTHERN AFRICA) HELD AT THE MELKBOS COUNTRY CLUB (CITY OF CAPE TOWN) ON FRIDAY, 17 AUGUST 2012.**

**NOTULE VAN DIE 180<sup>STE</sup> ALGEMENE VERGADERING VAN DIE VMEO-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) WAT OP VRYDAG, 17 AUGUSTUS 2012 BY DIE MELKBOS COUNTRY KLUB (STAD KAAPSTAD) GEHOU IS.**

**ATTENDANCE / BYWONING**

**MEMBERS / LEDE**

PJD Everson (Pieter)	- Cape Agulhas (piete@capeagulhas.com)
B Jones (Brian)	- Cape Town (brian.jones@capetown.gov.za)
N Ballantyne (Neil) Secretary	- Cape Town (neil.ballantyne@capetown.gov.za)
M Mzalisi (Mhlangabezi)	- Dept of Energy (mhlangebezi.mzalisi@energy.gov.za)
B Tsobze (Brice)	- Drakenstein (brice.tsobze@drakenstein.gov.za)
J Bence (Jaco)	- Drakenstein (jacob@drakenstein.gov.za)
J Rademeyer (Johan) Councillor	- Drakenstein (johan.rademeyer@drakenstein.gov.za)
MC Human (MC)	- Drakenstein (mattheus.human@drakenstein.gov.za)
MJ Rhode (Michael)	- Drakenstein (michael.rhode@drakenstein.gov.za)
PG de Vries (Paul)	- Drakenstein (paul@drakenstein.gov.za)
J Corriea (José)	- Eskom (correiaj@eskom.co.za)
L Redelinghuys (Lodine)	- Eskom (Lodine.Redelinghuys@eskom.co.za)
KD Grunewald (Kevin)	- George (kevin@george.org.za)
CJ Greeff (Corrie)	- Oudsthoorn (corrie@oudtmun.co.za)
D Maree (Danie)	- Overstrand (dmaree@overstrand.gov.za)
JH du Plessis (Kobus)	- Overstrand (kduplessis@overstrand.gov.za)
J Renney (Joe)	- PGWC/LG (jrenney@pgwc.gov.za)
J van Rensburg (Jacques)	- SALGA (jvanrensburg@salga.org.za)
R Bindeman (Rens)	- SARPA (rens@mweb.co.za)
FJC Koegelenberg (Floris)	- Stellenbosch (florisk@stellenbosch.org)
FH du Toit (Francois) Chairman	- Theewaterskloof (francoisdu@twk.org.za)
LA Swanepoel (Leon)	- Witzenberg (leon@witzenberg.gov.za)

**AFFILIATES / AFFILIATE**

A Hugo (Andre)	- ABB SA (Pty) Ltd
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TG Moiloa (Thabiso)	- Landis & Gyr (thabiso.moiloa@landisgyr.com)
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M Tyszowieuci (Mike)	- Patch Industrial Supplies - Masterlock (patch@worldonline.co.za)
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C Marinus	- Voltex (cmarinus@voltex.co.za)
PB Smuts (Peter)	- WCAEIA (info@wcaeia.co.za)
OCT Potgieter (Theo)	- WorleyParsons (tpotgieter@kv3.co.za)
J Theron (Johan)	- Zest / Lucy (johant@zest.co.za)

### **RETIRED MEMBERS**

J Pereira (Jorge)	- Retired member (jorgepereira43@yahoo.co.za)
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## **1. OPENING AND WELCOME / OPENING EN VERWELKOMING**

The meeting which was opened with a prayer and the Chairman welcomed all to the meeting and especially Councillor Rademeyer from Drakenstein Municipality, and Jacques van Rensburg from SALGA.

### **1.2 Arrangements/Reëlings**

Mr Struan Steele gave details of the arrangements for the tea break at 10:30 and the lunch at about 13:00.

Name tags issued to delegates must be handed in at the end of the meeting.

### 1.3 Acknowledgments/Bedankings

A minute of silence was observed in remembrance of Johan Viljoen from Saldanha Bay who recently passed away very suddenly.

The Chairman thanked Struan Steele for all the arrangements for the meeting, the Melkbos Country Club for the use of their facilities, and the Affiliates for their generous sponsorship that makes these meetings possible.

### 1.4 Announcements/Aankondigings

None

## 2. APOLOGIES / VERSKONINGS

PE Fowles (Peter)	-	AMEU (pf15@mweb.co.za)
C Justus (Clive)	-	Cape Town (clive.justus@capetown.gov.za)
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G Mans (Gert)	-	Hessequa (elektro.tegnies@hessequa.gov.za)
LR Richardson (Len)	-	Knysna (lrichardson@knysna.gov.za)
J Rossouw (Johan)	-	Langeberg (jrossouw@langeberg.gov.za)
D Engelbrecht (Deon)	-	Matzikama (Vredendal) (engelbrechtd@matzikamamun.co.za)
D Louw (Deon)	-	Overstrand (dlouw@overstrand.gov.za)
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T Coetzer (Tony)	-	ICS (tony@integritycontrol.co.za)
A Nel (Albert)	-	Itron (albert.nel@itron.com)
D Janse van Rensburg (Danie)	-	Itron (danie.jansevanrensburg@itron.com)
D Naidoo (Dhasi)	-	Itron (dhasi.naidoo@itron.com)
F Saayman (Erik)	-	Itron (erik.saayman@itron.com)
I Kilian (Ivar)	-	Itron (ivar.kilian@itron.com)
L Schaller (Len)	-	Itron (len.schaller@itron.com)
RAC Cunha (Rinaldo)	-	Itron (rinaldo.cunha@itron.com)
AJ de Swardt (Braam)	-	Landis & Gyr (braam.deswardt@landisgyr.com)
DJD van Niekerk (Dawie)	-	Landis & Gyr (dawie.vanniekerk@landisgyr.com)
IP Kruger (Isaac)	-	Schneider (isaac.kruger@za.schneider-electric.com)
M van Heerden (Marius)	-	Schneider (marius.van-heerden@schneider-electric.com)
RW Bartle (Roland)	-	Schneider (roland.bartle@za.schneider-electric.com)
AG Wearne (Archie)	-	Retired member (awearne@telkomsa.net)

## 3. CHANGE OF ADDRESS / ADRESVERANDERING

Joe Hames has completed his contract with Stellenbosch Municipality.

## 4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 179<sup>th</sup> GENERAL MEETING HELD AT THE TOWN HALL WELLINGTON (DRAKENSTEIN MUNICIPALITY) ON FRIDAY, 18 MAY 2012.

**BEKRAGTIGING VAN DIE NOTULE VAN DIE VMEO-GEAFFILLIEERDES / GOEIE HOOP TAK, 179<sup>de</sup> ALGEMENE VERGADERING WAT OP VRYDAG, 18 MEI 2012 BY DIE STADSAAL WELLINGTON (DRAKENSTEIN MUNISIPALITEIT) GEHOU IS**

- 4.1 Copies of the minutes of meeting have been circulated to all members.
- 4.2 The minutes were proposed by Rens Bindeman 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**

None

**6. ADDITIONAL ITEMS TO BE DISCUSSED UNDER ITEM 18  
BYKOMENDE ITEMS VIR BESPREKING UNDER ITEM 18**

1. Backyard dwellers – raised by Kevin Grunewald
2. Ripple control on hot water cylinders – raised by Deon Louw

**7. CORRESPONDENCE / KORRESPONDENSIE**

A note of thanks from Deon Louw for his nomination by the Branch as the Good Hope Branch representative on the AMEU Executive Council was displayed on the screen.

**8. PRESENTATION**

**1. Essential attributes of LED streetlighting – Daniel Kasper – Beka  
(See Presentation 1)**

- LED vs conventional lighting
  - there should be an improvement
  - minimal spill lighting
  - environmental issues discussed
- Market prediction presented
- Lumen / Watt outputs (luminous efficacy) covered
- LED luminaires not just a lamp but an integrated system.
  - Thermal control, electronic and mechanical design, photometric design all discussed
- Need surge protection installed to protect LED's from surges.
- Programming features – autonomous or remote dimming (especially for highways)
- Internal photo-diode for control of switch on and off of lamp
- Energy savings presented vs lux on the road
  - pay back period approx. 3 years to 4 years

**9. REPORTS / VERSLAE**

**9.1 Feedback from Local Area Working Groups  
Vordering van Plaaslike Gebied Werkgroepe**

- **Overberg**
  - Tariffs – NERSA approval – MFMA requirements regarding amendments cannot do this outside set out process
  - Eskom NYPD discussions
  - Data in District to be pooled
    - Co-operation with affiliates
    - Salary increases vs budget

- **Boland**  
No meeting has been held.

## 9.2 **Report from the Representatives on the Executive Council** **Verslag van Verteenwoordigers op die Uitvoerende Raad**

Michael Rhode reported on issues from the latest Executive Council meeting  
(See attached presentation 2)

- Report back on Standing Committees given
- Constitutional changes being looked at for approval at the Annual Convention
- Code of Conduct drafted
- Nomination of President Elect held over
- Portfolio Committee on Energy – Public Hearings on EDI
- Distribution Licences
- Discussion held on surcharges in Eskom areas
  - need SDA with Eskom to impose surcharges
- Government Certificate of Competence – cannot have a temporary appointment for extended period
- Area of supply disputes – work group dealing with this
- Tariff structure issues – number of tariffs needs to be reduced  
Basic / demand / energy and TOU structure might be forced on Municipalities by NERSA
- Mandatory conservation scheme to control demand to be introduced
- Comparison of Municipal Tariffs shown
- Eskom training initiatives discussed
- Renewable energy – standard conditions for 100 kW embedded generation published
- South African Smart Grid Initiative
  - AMEU member of Steering Committee
  - Development of common standards
- Agreement that Eskom connection fees can be paid over 2 – 5 years
- Solar Water Heater Programme taken over by DOE

In closing Michael Rhode thanked the Branch members for their support to him during his tenure as President of the AMEU.

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

SANS 10142-1 Amdt 8 has been issued.

The issue of certificate of compliance forms and the registration of electrical contractors is to be taken over by the Department of Labour from 1 September 2012.

By-laws:

The supply of electrical connections to dwellings in informal settlements on private property is being investigated by the City of Cape Town. The impact of the By-law is being looked into by a legal firm appointed by the City.

A report to the meeting will be given as soon as there are outcomes from this investigation.

Peter Smuts stated:

- Power demand gadgets being marketed.
  - Certification of these devices is needed in compliance with SANS 10142-1
  - Devices without such certification are being installed.
- Solar water heaters are being installed and the municipal ripple relays are being bypassed.

- Electric fence systems now need certificates of compliance, but as yet no approved accreditation for this has been issued by the Department of Labour.

Joe Renney stated that there is now a requirement to install 50% solar heater for water in certain new commercial buildings.

Deon Louw stated that there is no need to install ripple relay if a solar geyser is installed.

## **10. FEEDBACK FROM SARPA / TERUGVOERING VAN SARPA**

Rens Bindeman reported on:

- New Branch opened in Namibia.
- Now called **Southern** African Revenue Protection Association.
- Michael Rhode new president elect.
- President has moved to Mossel Bay.
- SAPS involvement going well.
- Training manual for non-ferrous metal theft being developed – includes SARPA input – regarding new Second Hand Goods Act.
- Rens attended IURPA conference in New Orleans. We are well ahead of other countries in revenue protection activities.
- Breakdown of future smart meter networks is considered very seriously in USA.
- Annual Conference in Wellington was a great success.

## **11. REPORTS FROM GOVERNMENT DEPARTMENTS / TERUGVOERING VAN STAATS DEPARTEMENTE**

### **11.1 Department of Local Government / Departement van Plaaslike Owerhede (Joe Renney)**

-(See presentation 3)

- Executive MIG report
- MIG Electrical Project – 15% of grant must be for Sport & Recreation
- DBSA / Municipal Training report given
- Bavaria / Western Cape – Renewable Energy / Smart Technology - GIZ provide courses on technology advancements overseas – only need to pay for the airfare.
- Municipal Infrastructure Skills Development Grant: George Municipality.
- Municipal Assessments

### **11.2 Department of Energy / Departement van Energie (Mhlangabezi Mzalisi)**

(See presentation 4)

- 2013/14 Applications, 2011/12 & 2012/13 progress  
Comment on previous items discussed at meeting
- Model for roll out of solar water heater programme still needs to be finalised. Will then be published for implementation.
- Funding for electrification on private land must adhere to policy of DOE.
- Introduction
- Applications for 2013/14
- Allocation criteria
- WC electrification backlog as March 2012
- Status and Progress of 2011/12 projects
- Status and Progress of 2012/13 projects
- R300m applied for by Municipalities but only about R80m will be available for 2013/14.

If funds cannot be spent in a financial year a letter to NT is needed to request funds to be rolled over to next financial year.

**12. “Aspects of NRS 048-9” - National Code of Practice – Emerging Load Reduction and System Restoration Practices - José Correia - Eskom**

**(See presentation 5)**

- To what degree is document applicable to Municipalities?
- Guideline on treatment of critical loads and essential loads.
- Emergency load shedding / curtailment.
- System emergency has to be declared & is defined
- Need exists for emergency load shedding protocols
- 7 Principles covered
- NRS 048-9 promulgated as law
- National generation capacity constraints
  - Stages explained
- Embedded generation, voltage reduction schemes, smart metering, customer communication covered (ie load shedding schedules)
- Essential loads – only for :
  - critical safety
  - critical environmental impacts
  - critical national products
- Continuous supply cannot be guaranteed
- Critical loads have a cascading effect on public infrastructure eg. fuel pipe lines; coal mines supplying power stations; public transport; water pumping; sewage; traffic lights; telecoms infrastructure

**13. COMPLIANCE / LEGISLATION**

**Embedded generation – Brian Jones – City of Cape Town**

**(See presentation 6)**

- Background and context given
- Net metering – defined
- Wholesale connection of PV is happening so needs to be addressed
- Small generation covered – PV panels not solar water heaters
  - Small wind turbines (horizontal and vertical)
- Legislation – confusing “Municipal void”
- MFMA Section 62 highlighted
- MFMA Section 33 long term contracts – beyond 3 years. Needs Council resolution
- Grid Code – Network Code requirements – Electro-mechanical meters are not certified to run backwards
- Network Grid Code needs to be updated!
- National Renewable Energy policy and programmes explained
- Wheeling of energy to buyer could be problematic
- Integrated resource Plan 2010 – Net metering defined in this document as well
- Standard Conditions for small scale embedded generation are on NERSA website
  - Guidelines only
  - No generator licence needed
- What is needed to implement net metering? List given
- Other Municipal requirements
  - Building plans
  - Noise (wind turbines)
  - Air pollution
- Tariff impacts discussed
- Business process needs to be developed
- Environmental and job creation benefits of small scale PV discussed

14. **Feedback on the public hearings held by the Portfolio Committee in Parliament - The future of the EDI and backlog on maintenance**  
 - Deon Louw  
**See presentation 7**  
 Presentation covered:  
 - Overview  
 - Challenges  
 - Prognosis  
 - Options  
 - Conclusion
15. **INCIDENTS / ACCIDENTS**  
 None
16. **PRESENTATIONS/ AANBIEDINGE**  
 2. Postponed to next meeting due to time constraints.
17. **ITEMS HELD OVER FOR DISCUSSION FROM 179<sup>th</sup> GENERAL MEETING**  
**ITEMS WAT OORSTAAN VIR BESPREKING VAN 179<sup>de</sup> ALGEMENE VERGADERING**  
 None
18. **ADDITIONAL ITEMS FOR DISCUSSION / BESPREKING VAN BYKOMENDE ITEMS**
1. Backyard dwellers – raised by Kevin Grunewald
    - Poor people cannot afford cost of installing second meter
    - Neil Ballantyne explained the way in which Cape Town is going about the provision of second meters for backyard dwellers on City owned properties in a pilot area.
    - Michael Rhode (Drakenstein) commented that supplying power to unapproved unsafe dwellings could be seen as legitimising the existence of these structures.
    - Loading on the network is also a problem when providing second meters in large numbers in an area.
  2. Ripple control on hot water cylinders – raised by Deon Louw
    - Problem is arising
    - Radio frequency problems
    - Deon requested that a meeting be set up to discuss issues.
19. **MATTERS FROM OTHER BRANCHES / AANGELEENTHEDE VAN ANDER TAK**  
 None
20. **GENERAL / ALGEMEEN**  
 The meeting proposed that Michael Rhode be nominated to the Executive Council for receipt of honorary membership of the AMEU.
21. **SPONSORSHIP**  
 Mr Struan Steele thanked all the firms who generously provided sponsorship for the meeting. The Melkbos Country Club was thanked for providing the venue for the meeting.



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

8/9 November 2012      George (George Municipality)

The Chairman thanked all for attending and closed the meeting at 13:30

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**CHAIRMAN**

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