

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

GOOD HOPE BRANCH / GOEIE HOOP TAK

MINUTES OF THE 185th GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA) HELD AT THE DIAZ STRAND HOTEL, MOSSEL BAY ON THURSDAY, 14 NOVEMBER 2013 AT 14:00 AND FRIDAY, 15 NOVEMBER 2013 AT 08:30.

NOTULE VAN DIE 185^{de} ALGEMENE VERGADERING VAN DIE VMEO-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) BY DIE DIAZ STRAND HOTEL, MOSSELBAAI GEHOU OP DONDERDAG, 14 NOVEMBER 2013 OM 14:00 AND VRYDAG, 15 NOVEMBER 2013 OM 08:30.

THURSDAY, 14 NOVEMBER 2013 AT 14:00
DONDERDAG, 14 NOVEMBER 2013 OM 14:00

AMEU GENERAL MEETING -Session One

ATTENDANCE / BYWONING – 14 November 2013

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J Pereira (Jorge)	- Honorary member (jorgepereira43@yahoo.co.za)

1. OPENING AND WELCOME / OPENING EN VERWELKOMING

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

1.2 Arrangements/Reëlings

Mr Jacques Visser gave details of the arrangements for the tea break at 15:30 and a meal which will be held at 19:00.

1.3 Acknowledgments/Bedankings

The Chairman thanked Diaz Strand Hotel for the use of the facilities, Jacques Visser and the Mossel Bay Municipality for planning the meeting and the Affiliates for their sponsorship.

1.4 Announcements/Aankondigings

The Chairman advised the meeting that all the old AMEU Good Hope Branch records that were in the possession of the late Fred Daniel had been given to him by Jurgens Daniel. Some documents, like the attendance register, make very interesting reading.

2. APOLOGIES / VERSKONINGS

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3. CHANGE OF ADDRESS / ADRESVERANDERING

4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 184th GENERAL MEETING HELD AT THE KOEBERG POWER STATION VISITORS' CENTRE, DUYNEFONTEIN ON FRIDAY, 16 AUGUST 2013. BEKRAGTIGING VAN DIE NOTULE VAN DIE VMEEO-GEAFFILLIEERDES / GOEIE HOOP TAK, 184^{de} ALGEMENE VERGADERING BY DIE KOEBERG KRAGSTASIE BESOEKERS SENTRUM, DUYNEFONTEIN GEHOU OP VRYDAG, 16 AUGUSTUS 2013.

- 4.1 Copies of the minutes of meeting had been circulated to all members.
- 4.2 Corrections: Under 3 – Change of address: Theo Potgieter has moved to LYNERS
- 4.3 The adoption of the minutes was proposed by Deon Louw 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

AMEU Good Hope Branch meetings are now being registered for ECSA CPD points and the last four meetings (from November 2012) have been registered and sent to ECSA for listing on their CPD website.

6. ADDITIONAL ITEMS TO BE DISCUSSED UNDER ITEM 20 BYKOMENDE ITEMS VIR BESPREKING UNDER ITEM 20

- Danie Maree – Eskom deposits for increased demand request
– Internal wiring of RDP houses

7. CORRESPONDENCE / KORRESPONDENSIE

- 7.1 In response to correspondence received in connection with an incident at the previous meeting, the Chairman requested that no derogatory comment be made from the floor.
- 7.2 A request for nominations for honorary membership of the AMEU was circulated to Municipal and Affiliate members of the Branch. The Chairman proposed that Neil Ballantyne be nominated for receipt of honorary membership, which was endorsed by the meeting.

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

8.1 **“DMS - Distribution Management System” Peter Raines – ABB** (See presentation 8.1)

- Explanation given of what a DMS is
 - Network operations
 - Network Planning
 - Cost interaction
- List of typical modules that comprises a DMS given
- IT Network infrastructure shown and explained
- Many interfaces to other Utility systems possible.
- Mapping is possible diagrammatically and geographically
- Can perform fault location
- Field crew management
- Switching pan management
- Load modelling
- Topology management function
 - schematic & geographic
- Extended data management

- search function for types of equipment
- XML link to Internet
- Fault call logging from customers
- Network analysis function
 - simulation mode available
- Distribution automation in fault management
- Benefits of a DMS reviewed
- Steps to implement a DMS explained
 - Step by stem approach needed due to complexity of data and links required

8.2 “Maximo Asset Register, A Cost Effective solution” - Dwibin Thomas – Powertech System Integrators

(See presentation 8.2)

- Extract from NERSA report Feb 2013
- Percentage of maintenance plans existing and implemented
- Percentage electrical asset registered existing
- Definition of Asset Register by NT given
- Discussion of components that make up a complete asset register
- Reporting possible from a proper asset register
- Must be GRAP IT compliant
- Modules have been added to ensure compliance with GRAP
- Benefits of the system highlighted
- Implementation of Asset Register must be a structured process.

9. Reports / Verslae

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

- **Overberg**
Johan Nel reported that a meeting will be held next week. A discussion of developments will take place.
- **Wynland**
No meeting held
- **Eden**
No meeting held
- **West Coast**
No meeting held
- **Central Karoo**
No meeting held

9.2 Representatives on the Executive Council / Verteenwoordigers op die Uitvoerende Raad

(See Presentation 9.2)

Peter Fowles updated the meeting.

Highlights mentioned :

- General workshop on form and governance of AMEU carried out
- Financial results shown
 - Loss of R200 226 for 2012 year due to Convention income was lower
 - LG (SETA) under administration. Funding to AMEU stopped.
- 2014 Convention 5 – 8 Oct 2014 Johannesburg City Power – Gallagher Estate
- History book to be published for AMEU centenary in 2015
- Civilution Congress 2014 – AEMU will be represented
- Eskom / Municipalities boundary issues mentioned
 - MOU needed first. SALGA / Eskom discussions to be held
- Surcharges – report from SALGA on work in the area requested
- Certificate of Compliance – Department of Labour failed to respond regarding damage by contractors to Municipalities cables
 - ECB produced Test report from Rustenberg Municipality. ECB need to “sell” idea to Municipalities

- General Machinery Regulation (GMR) is under review. Process halted due to review of Occupational Health & Safety Act. Waiting to hear if GMR review will now be recommended.
- Electricity Supply Bylaw: Drakenstein to publish new revision by May 2014. Will be published on AMEU website.
- Public Administrative Management Bill to be discussed in Cabinet
- City of Cape Town (CoCT) Public Protector's outcome
 - CoCT had to pay out for damaged appliances
 - Ethekwini & City Power to challenge outcome
- Tariffs – difficulty getting information from NERSA
 - NERSA focusing on resellers tariff; consultation paper by March 2014
 - IBT is not being reviewed. Suggest it is included in tariff workshop.
- Poor response to queries to NERSA
- Regulation R773 – no blanket exception will be given
- Eskom MYPD3 process discussed
- Cost of upgrades to Municipal intake points by Eskom – to be funded by operational funding. No response from National Treasury on this matter.
- Eskom's Alternative Municipality Tariff is out for comment.
- Annual tariff survey model to be simplified for easier comparison of electricity costs from different Municipalities.
- Update on Government Certificate of Competency results – very poor outcomes. Attendance at classes is poor!
- AMEU to become custodian of Training Work Group
- Solar Water Heating programme covered
 - not a Department of Energy matter
- Pilots on Asset Maintenance (ADAM) programme discussed
- Regulation R773 sample letter for exemption from Ekrulaleni to be made available
- Approach on EDI – position paper by SALGA covered
- Renewable energy workshop report is available and will be put into AMEU website
- Electrification master plan still not published

9.3 Sub-Committee: Wiring Code Revisions and Standard Electricity Supply By-law (Convenor: Mr N Ballantyne)
Subkomitee: Beradingskodehersienings en Standaardelektrisiteitsvoorsienings Verordening (Saamroeper: Mr N Ballantyne)
 Nothing to report

9.4 GreenCape (a structure of the Western Cape Provincial Government)
"The cost of doing nothing: a smart grids discussion"
(Bruce Raw and Maloba Tshehla)
 (See presentations 9.4a & 9.4b)

Update: (Maloba Tshehla)

- Understand the evolution of a smart grid system
- Approach taken to develop a business case discussed
- Steps to take on the smart grid journey
- Cost and benefits covered
- Consider future benefits
- List of common lessons on building a smart grid business case
 - consider costs
- Common challenges and pitfalls discussed
- Recommended steps listed (website address for this given – see presentation)

Smart Grids Standards (Bruce Raw)

- SASGI – South African Smart Grid Initiative
- Poor representation from Municipalities
- Inter-operability is important
- Drivers for inter-changeability is needed for operations – aspects of this listed
- Proposed plan for developing a standard – what do users need?
 - physical standards
- Engage with customers to determine area needs.

Before the session closed:

Andrew Evans from Penwill Events Company addressed the meeting:

Eskom had asked for a Power Gen show in Africa to be developed – Sandton Convention Centre was sold out for Sandton Power Gen show

It is proposed to hold a Power Gen and Distribution show (DistibuTech Africa) in one event which would include “Hands on Training” –

- Show would run over 3 days – concentrating on training – no sales pitches permitted
- To create a platform so Utilities can learn from others experiences – both good and bad
- There will be large discounts for AMEU members.
- Show to be held on 17 – 19 March 2014 in Cape Town.

Close of day's session at 16:55

FRIDAY, 15 NOVEMBER 2013 AT 08:30

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P Valentine (Peeta)	-	Zimele Technologies (peeta@zimeletechnologies.com)

RETIRED MEMBERS

JJG Nel (Johan)	-	Honorary member (neljgg@gmail.com)
J Pereira (Jorge)	-	Retired member (jorgepereira43@yahoo.co.za)

APOLOGIES / VERSKONINGS – 15 November 2013

L Redelinghuys (Lodine)	-	Eskom (Lodine.Redelinghuys@eskom.co.za)
CJ Vorster (Chris)	-	Langeberg (cvorster@langeberg.gov.za)
J Rossouw (Johan)	-	Langeberg (jrossouw@langeberg.gov.za)
J Coetzee (Jan)	-	Stellenbosch (johannesc@stellenbosch.org)
M Mabotja (Mmatholo)	-	Landis & Gyr (mmatholo.mabotja@landisgyr.com)
RC Millard (Ron)	-	PB Power (millardr@pbworld.com)
J Greenlees (John)	-	Poly Box (john@polybox.co.za)
D Pieters (Dürr)	-	WorleyParsons (durr.pieters@worleyparsons.com)

10. OPENING AND WELCOME / OPENING EN VERWELKOMING

The Chairman welcomed all to the Friday session which was opened with a prayer. The Executive Mayor of Mossel Bay Municipality, Ald Marie Ferreira, welcomed all to Mossel Bay and addressed the meeting.

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

11. Feedback from SARPA / Terugvoering van SARPA

Rens Bindeman reported:

Drive to increase SARPA membership. To continue in regions in the New Year

- Assisting Police with a training module for the implementation of the Second Hands Goods Act and Regulations. Pilot training course to be held.
- Then a "Train the Trainer" programme to follow.
- Annual SARPA Convention to be held on 10/11 July in Knysna

12. Update on Eskom's Integrated Demand Management programme (Joe Coelho)

(See presentation 12)

- Load profile update given for summer & winter periods explained
- Generator maintenance is carried out mainly in summer which comes with its own risks to manage demand.
- May still need to develop an energy conservation scheme.
- Therefore "Live Lightly" this summer.

13. Reports from Government Departments / Terugvoering van Staats Departemente

13.1 Department of Local Government / Departement van Plaaslike Owerhede (Joe Renney)

- MIG Infrastructure feedback given
Values specified, all funding was spent
- Thanks to all Municipality officials
- Master planning funding has been requested from National Treasury
- Capacity building – reduction in training funding has occurred. This is regretted.
- George Municipality has taken training very serious and will be building a training centre
- Construction of Municipal buildings – 62 buildings have been built to date
- Changes have occurred in Joe's Directorate at the Department of Local Government. CFO has moved to Stellenbosch. New CFO to be appointed.
- Joe advised that he will be retiring in January 2014 after 13 years' service with the Department. He thanked both Municipal officials, affiliates and consultants for all their co-operation over the past years.

Len Richardson proposed that Joe Renney be nominated for honorary membership of the AMEU in recognition of his services and assistance to the electricity departments of the Western Cape municipalities over the many years. The meeting seconded this proposal.

13.2 Department of Energy / Departement van Energie (Mhlangabezi Mzalisi) (See presentation 13.2)

- 2014/2015 to 2016/17 funding allocations
 - Provincial split allocations were presented for the 11 provinces
- Funding split given for Eskom areas vs Municipalities for these years
- Requests for funding received from Municipalities was given. This was much higher than the available funding
- Subsidy levels for next year were presented
- The five administrative challenges were listed as experienced in the past. The aim is to eliminate these challenges in 2014/2015

14. Compliance / Legislation

Dick Naidoo (Mossel Bay) raised the issue they experienced with their load management programme. They issue Compliance Certificates for geyser relay installations – He asked if this is necessary. After discussion it was concluded that this is not required in terms of Electrical Installation Regulations. Equipment belonging to Supply Authority is not part of electrical installation on a property.

Floris Mostert (Stellenbosch) stated that municipality electricians are not registered wireman therefore it is a problem if they work on private installations.

Michael Rhode (Knysna) stated that the Department of Labour exempts this if the installation is done in accordance with SANS 10142-1

15. Incidents / Accidents

None

16. Presentations by Affiliates / Aanbiedings deur Geaffilieerdes

16.1 “Solar Street lighting: Fast, Efficient, Secure” - Jonathan Baer – Philips (See presentation 16.1)

- Overview of “power from the sun” in Africa
- Solar system components described
- A complete system is discussed for the particular site to optimise performance and lighting levels
- Turnkey solution with financing
- Taylor made to requirements on a solar platform
- Each pole is self-standing unit

- Quick and easy to install
- 5 year maintenance free
- Maintenance period on each component was given
- 12V system, no skilled labour required
- Very efficient system
- A mobile system is available
- A high mast solution is also available
- Financing is available for solar systems. Enquiries are welcome
- Life span of the battery?
 - Gell battery is used. Battery is installed underground to ensure constant operating temperature. Live span is 5 years plus. Maintenance free
- Solar panel :
 - 10% loss of efficiency after 10 years
 - 20% loss of efficiency after 25 years
 - Life span of panel is 25 years

**16.2 “How Copper-Clad Steel Can Help Electrical Utilities Reduce Theft” -
Tim Hadsel-Mares – Fushi Copperweld**
(See presentation 16.2)

- Company background presented – 98 years! Partner with ARB in SA
- Raw material used and process described
- Skin effect of alternating current taken advantage of
- Standard complied with given. Sizes given
- Fusing current test shown. Copper compared with copper clad steel
- Applications shown – above ground or below ground
- Anti-theft properties described
 - Worthless at scrap dealer
 - Harder to cut
 - Magnetic
 - Value R60/kg for copper
R2/kg for copper clad
 - Coloured cable available to disguise copper outer colour
 - Signs available to warn that copper clad steel is used
- Compliance standards listed
- NRS 102 – Theft deterrent standard is being developed in SA
- Corrosion resistance given. Long life possible without corrosion
- Connectors presented
 - Exothermic or clamps / crimp
- Durability and flexibility discussed
- Sizing and availability shown

**16.3 “Now that we are vending – issues for consideration” – Thabiso Moiloa
– Landis & Gyr**
(See presentation 16.3)

- To host or not to host – Is that really the question??
- Technical expertise a problem in some municipalities
- What is needed if a hosted system is used
- Consider the number of meters if you want to buy an vending system
- Can have a short term hosting contract
- Culture of non-payment is a factor for hosting
- Considerations to take account if you are to purchase your own vending system
- Vending outlets and payment options discussed
- Staff requirements are vital to consider
- Reports produced must be acted upon eg. low purchase reports
- For a hosted system:
 - if you have limited technical capacity
 - can be for a limited period until internal capacity is created
 - look into contract details!! Especially financial aspects (banking of money timeously)
 - Unrestricted access to run reports from the system for revenue management
- Proper meter management is vital

- Tariffs and fines must be in place
- System audit on vending systems are vital to ensure financial security

**17. Items standing over for discussion from the 184th General Meeting.
Items wat oorstaan vir bespreking van die 184^{de} Algemene Vergadering.**

None

18. Additional items for discussion / Bespreking van bykomende items

- Danie Maree (Overstrand) raised:
 - Deposits payable to Eskom for increase in notified maximum demand
 - covered in past by Peter Fowles in his Exco Report back
 - Francois du Toit asked – can Municipality provide a guarantee? Danie Maree said that Overstrand do not provide guarantees.
 - Eskom Board has decided that deposits will not be waived
Over R2.1bn is owed to Eskom by Municipalities. Needs to be addressed at Government level
Eskom cannot cut off Municipality – need to go through requirement in Public Access to Administration Act
 - Needs to be taken up through AMEU to SALGA via Peter Fowles
- New RDP houses : Must Municipality do internal wiring? Does this comply with MFMA regarding hand over of an asset?
 - Joe Renney – Cost of connection and cost of meter both to come out of subsidy which also covers cost of readyboard. There should be a balance left from subsidy after these costs are paid. This balance could pay for installation wiring in house.
Joe Coelho will send out documentation in this regard.
Subsidy designed to cover a 40m² house
- Muniflex tariffs for Municipalities with >60% domestic consumers
 - Can this be applied to commercial consumers ?
 - Only available where bulk infeed voltage is below 66kV. Municipalities must have their own Municipal tariff to apply to their customers.

19. Matters from other branches / Aangeleenthede van ander takke

None

20. General / Algemeen

- Jacques Visser announced his resignation as Affiliates Chairman.
Martin van Staden was elected to replace him as Affiliates Chairman.
The Chairman thanked Jacques for his efficient organisation of the meetings over the past year.
- Francois du Toit announced his resignation as Good Hope Branch chairman, having already served 2 years
Floris van Koegelenberg, the existing Vice-Chairman, will serve as Chairman for the remainder of the term until November 2014.
William Olivier was elected Vice Chairman – to serve until November 2014

Floris thanked Francois for his service as chairman for the past two years.

21. Sponsorship / Borgskappe

Mr Jacques Visser thanked all the firms who had provided generous sponsorship for the meetings, and also thanked the Diaz Strand Hotel for all the facilities that were provided for the two days of meetings. He also thanked Mossel Municipality and all its staff for all the arrangements.

**22. Dates and places of AMEU meetings in 2014
Datums en plekke van VMEO vergaderings in 2014**

- 22.1 21 February 2014 - Theewaterskloof Municipality (Caledon or Villiersdorp)
- 22.2 16 May 2014 - Drakenstein Municipality (Wellington)
- 22.3 15 August 2014 - Langeberg Municipality (Robertson)
- 22.4 13/14 November 2014 - Knysna Municipality (Knysna)

The Chairman thanked all for attending and closed the meeting at 11:30.

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