



THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA)

GOOD HOPE BRANCH / GOEIE HOOP-TAK

MINUTES OF THE 200TH GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA) HELD AT THE GERMAN CLUB, 75 KLEIN PARYS AVE, PAARL ON FRIDAY 11 AUGUST 2017 AT 09:00.

NOTULE VAN DIE 200^{STE} ALGEMENE VERGADERING VAN DIE VMEO-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) WAT OP VRYDAG, 11 AUGUSTUS 2017 OM 09:00 BY DIE DUITSEKLUB, KLEIN PARYS LAAN 75, PAARL GEHOU IS.

ATTENDANCE / BYWONING

MEMBERS / LEDE

G Leonie	- (gleonie23@gmail.com)
V Padayachee (Vally)	- AMEU (vally@vdw.co.za)
C Justus (Clive)	- Cape Town (clive.justus@capetown.gov.za)
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T F Rossouw (Tom)	- Swartland (rossouwt@swartland.org.za)
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AFFILIATES / AFFILIATE

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RETIRED MEMBERS

J Pereira (Jorge)	-	Honorary member (jorgepereira43@yahoo.co.za)
LR Richardson (Len)	-	Honorary member (richardsonlr@telkomsa.net)
FJC Koegelenberg (Floris)	-	Retired member (floris.koegelenberg@stellenbosch.gov.za)
J Renney (Joe)	-	Honorary member (joerenney151@gmail.com)
N Ballantyne (Neil) Secretary	-	Honorary member (nballantyne@cybersmart.co.za)

1. OPENING AND WELCOME / OPENING EN VERWELKOMING

The Chairman welcomed all to the meeting and introduced the Member of the Mayor Committee of the Drakenstein Municipality, Cllr Koos le Roux, who welcomed all to Paarl and addressed the meeting.

1.2 Arrangements/Reëlings

Gareth Smit gave details of the arrangements for the tea break at 10:30 and a lunch which will be held at about 13:00.

1.3 Acknowledgments/Bedankings

The Chairman thanked the Drakenstein Municipality and staff, and Gareth Smit for all the arrangements for the meeting, and the German Club for the use of their facilities for the meeting, He also thanked all the Affiliates for their generous sponsorship which makes these meetings possible.

1.4 Announcements/Aankondigings

The Chairman reminded members that the AMEU Good Hope Branch meetings are registered with ECSA for CPA points.

2. APOLOGIES / VERSKONINGS

R van Staden (Roelof)	-	Beaufort West (roelof@beaufortwestmun.co.za)
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J du Plessis (Johan) Chairman	-	Saldanha Bay (johan.duplessis@sbm.gov.za)
B Marais (Belinda)	-	Swartland (maraisb@swartland.org.za)
FH du Toit (Francois)	-	Theewaterskloof (francoisdu@twk.org.za)
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M Redelinghuys (Marius)	-	Theewaterskloof (mariusre@twk.org.za)
D Cackett (Duncan)	-	Emerald Infrastructure Solutions (duncan.c@emerald-is.co.za)
AJ de Swardt (Braam)	-	Ontec (braam.deswardt@ontec.co.za)
JJG Nel (Johan)	-	Honorary member (neljgg@gmail.com)

3. CHANGE OF ADDRESS / ADRESVERANDERING

Kevin Grunewald retired from the George Municipality at the end of May 2017 and is now working for BDE Consulting Engineers in George.

4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 199TH GENERAL MEETING HELD AT THE SWELLENGREBEL HOTEL, SWELLENDAM ON FRIDAY 12 MAY 2017.

BEKRAGTIGING VAN DIE NOTULE VAN DIE VMEO-GEAFFILLIEERDES / GOEIE HOOP-TAK 199^{STE} ALGEMENE VERGADERING GEHOU OP VRYDAG 12 MEI 2017 BY DIE SWELLENGREBEL HOTEL, SWELLENDAM.

4.1 Copies of the minutes of meeting had been circulated to all members.

4.2 The minutes were adopted by the meeting.

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 16 BYKOMENDE ITEMS VIR BESPREKING UNDER ITEM 16

None.

7. CORRESPONDENCE / KORRESPONDENSIE

The Chairman raised the nomination of Roelof du Toit (Malmesbury) – nominated by Michael Rhode - and Kevin Grunewald (ex George) – nominated by Johan Nel - for AMEU honorary membership for the members at the meeting to confirm and ratify these nominations. The meeting duly ratified these nominations which will be taken to the AMEU Executive Council for decision.

8. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES

1. "Netelek's perspective on training and safety" - Willie van Oudtshoorn - Netelek

(See presentation 8-1)

- Company background and 40 years' experience given
- Safety is critical when working on high voltage networks
- The solution is training to ensure successful and safe network operations.

2. "ARC Flash PPE"- Denzil Norkie - AJ Charnaud

(See presentation 8-2)

- Introduction to company given
- Protection of operators from arc flashes is crucial
- Hazards of arc flashes explained
- Causes of arc flashes listed
- Problem with burns shown and solution given – garments are fire resistant and arc rated
- Video shown to demonstrate effectiveness of correct protective clothing
- Westex Technology provide material – discussion of properties followed
- Video was shown to highlight long life achieved by garments
- Standards presented for fire resistant garments
- Garment labels and rating detail explained.

9. **REPORTS / VERSLAE**

9.1 **Report from the Representatives on the Executive Council** **Verslag van Verteenwoordigers op die Uitvoerende Raad** (See presentation 9-1)

Vally Padayachee reported.

Highlights:

- AMEU Convention 2017 update given
 - o To be held in Nelson Mandela Metro – Port Elizabeth
 - o Selection process for paper to be presented was explained
- AMEU / DoL Workshop feedback covered
 - o Status of municipal electrical inspectors clarified
- Meeting with NERSA held on 2 May – Issues covered:
 - o NERSA representation resolved
 - o Distributor licencing regulations
 - o Cost of “Cost of Supply” studies can be recovered via electricity tariffs
 - o Municipality’s ability to directly buy peaking power from generators
- SAPVIA Green Card launched – see <https://www.pvgreencard.co.za>
- Co-operation with SAIPPA (South African Independent Power Producers’ Association)
- MOUs AMEU and SAIPPA and SAIEE
- DoE Solar water heating programme
 - o No further progress to date
 - o AMEU has asked for status on this
- DoE / SALGA / AMEU meeting 2 August 2017
 - o IRP target date to present to Cabinet about March 2018
 - o No generation licence to be issued until IRP 2016 is finalised
- DoE AMEU Metro Forum meeting feedback
- NEAC National Electricity Advisory Committee
 - o Cyber attacks a concern
 - o Migration of revenue erosion
 - o Mentoring of engineers
- Proposal by PICC (SIP10)
 - o Improving electricity distribution operational sustainability

9.2 **“Nation building through mobile knowledge mentoring -focus on unemployed professional engineering graduates and women WiE graduates ” - Phil Marsh, MD, Mentoring 4 Success** (See presentation 9-2)

- What has come out of training initiatives over the years in SA
- Challenges in skills development discussed – a case for change
- Solution – use of mentors – creating multiples
- Establishment of Mentoring Academy – broad bases stakeholders
- Large numbers of unemployed graduates
- Use of learning opportunities
- Take advantage of mentors
- Provide way for retired experts to be used to mentor
- Use of smart phones to achieve mentor of multiple mentees.

9.3 **“The need for an evolving business model realignment in a SA power distribution utility to mitigate against increasing revenue erosion and drop in gross profit” - Vally Padayachee** (See presentation 9-3)

- The “Uber” of the power distribution utility

- The traditional electricity distribution business
- An evolving electricity distribution business
- The selling of just electrical energy (kWh) by a power distribution utility is no longer a viable and sustainable business model
- Decreasing gross profit at one of SA's metropolitan municipalities
- Global change in power and utilities is being driven by numerous disruptive factors
- Utilities need to innovate across the value chain to derive competitive advantage
- Municipalities must react to the reality of SSEG's
- Utility death spiral
- Vicious cycle versus the virtuous cycle
- Municipal distribution not immune to change

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

Rens Bindeman reported on:

- Feedback on year's activities
- Expand Good Hope Branch AMEU/SARPA meeting model in other regions
- Training initiatives active both locally and internationally
- Cyber security is an issue
- Infrastructure theft – Training of SAPS members. Business Against Crime involved. Also training the Hawks
- National Operational Committees being kick started again
- SARPA Conference to be held on 24/25 August 2017 at Eskom Training Centre Midrand.

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

11.1 **Department of Local Government / Departement van Plaaslike Owerhede**

No presentation as apologies given by Njabulo Dube.

11.2 **Department of Energy / Departement van Energie** **(Mhlangbezi Mzalisi)** **(See presentation 11-2)**

- **2016/17 Municipality Performance**
 - o Financial expenditure (CAPEX)
 - o Connections and bulk summary
- **2017/18 Financial Year Allocations**
 - o 2017/18 INEP MTEF Allocations
 - o Municipality Programme MTEF Provincial Allocation
 - o WC Municipality MTEF Allocation

12. **COMPLIANCE / LEGISLATION**

Nothing was raised

13. **INCIDENTS / ACCIDENTS**

No incidents reported.

14. **EDUCATION AND TRAINING**

Presentation by M.Eng student, Nkusi Emmanuel on “Analysis of the effect of renewable generation on the Power Quality of the Grid; Modelling and analysis of Harmonic stability and voltage Distortion”.

- Power quality is important for economy and to minimise outages
- Effects on energy mix on the power grid
- Introduction of harmonics can be an issue
- Research method was covered
- Distinguish between renewable energy sources and renewable energy technology
- Impact of renewable generation discussed
- Power quality issue mentioned
- Benefits of energy integration given
- Effect on power quality listed
- Harmonics explained mathematically
- What the effect of harmonics on the network was shown
- Producers and consumers of harmonics given
- Major load causing harmonics listed
- What is needed to mitigate harmonics discussed
- Filter design and effect of filter covered
- Conclusion given.
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15. **PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES**

3. **“How tested is your Cable test facility? Actom RMV” - Marius van Meygaarden - Actom**
(See presentation 15-3)

- Cable test facilities on a ring main unit
- MV GIS RMV functions mentioned
- Ratings given – internal arc classification and technical information
- Switch disconnecter function discussed
- Cable test facilities designed to comply with IEC standards
- Equipment should have inbuilt safety features
- Current transformer characteristics mentioned
- Technical information listed.

4. **“Do you have eyes on & control over your valuable assets ???” - Belgie Steyn – SSE Excelcom**

(See presentation 15-4)

- Numerous programmes are available to assist client utilities
- 24/7 monitoring and control room service to manage networks for water, gas and electricity
- Sees to SCADA and administration
- Web based interfaces and apps are available
- Data security is taken care of in communication system
- Turning data in useable reports
- Details to follow at future Good Hope Branch meetings!

16. **ITEMS HELD OVER FOR DISCUSSION FROM 199th GENERAL MEETING**
ITEMS WAT OORSTAAN VIR BESPREKING VAN 199^{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**

None

20. SPONSORSHIP

Gareth Smit thanked all the firms who had provided generous sponsorship for the meetings, and made special mention of the generous donations from the Drakenstein Municipality. He also thanked the Drakenstein Municipality and staff for the arrangements for the meetings and the spouses programme, and the German Club for the use of their facilities.

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

21.1 9/10 November 2017 Knysna

**22. DATES AND PLACES OF AMEU MEETINGS 2018
DATUMS EN PLEKKE VAN VMEO VERGADERINGS 2018**

22.1 Request made for Municipalities to consider hosting meetings in 2018
(Venues to be finalised at November 2017 meeting)

Tentative dates for the 2018 meetings will be:

16 February 2018 – *Overstrand Municipality offered to host this meeting in Hermanus*

11 May 2018

17 August 2018 (would have been 10 August, but 9 August is a public holiday, so the 10th is problematic)

8/9 November 2018

**23. CLOSING OF MEETING BY THE CHAIRMAN
SLUITING VAN VERGADERING DEUR DIE VOORSITTER**

The Chairman thanked all for attending the meeting, and for the Drakenstein Municipality for hosting the meeting. The meeting was closed at 13:35.

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