

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

GOOD HOPE BRANCH / GOEIE HOOP TAK

MINUTES OF THE 196TH GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA) HELD AT THE SIR LAMBERT CELLARS, LAMBERTS BAY ON FRIDAY, 12 AUGUST 2016 AT 09:00.

NOTULE VAN DIE 196^{STE} ALGEMENE VERGADERING VAN DIE VME0-GEAFFILIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) WAT OP VRYDAG, 12 AUGUSTUS 2016 OM 09:00 BY DIE SIR LAMBERT KELDERS, LAMBERTSBAAI GEHOU IS.

ATTENDANCE / BYWONING

MEMBERS / LEDE

SA Cooper	- Cape Agulhas
PJD Everson (Pieter)	- Cape Agulhas (piete@capeagulhas.com)
GS Stopford (Greg)	- Cape Town (greg.stopford@capetown.gov.za)
K Stober (Keith)	- Cape Town (keith.stober@capetown.gov.za)
S Gqwede (Siyabulela)	- Cape Town (siyabulela.gqwede@capetown.gov.za)
JJ van Zyl (Jac)	- Cederberg (vanzylj@cederbergraad.co.za)
K Modise (Kate)	- Dept of Energy
E M Mzalisi (Mhlangabezi)	- Dept of Energy (mhlangabezi.mzalisi@energy.gov.za)
M Verhoeven (Martin)	- Drakenstein (martinv@drakenstein.gov.za)
PG de Vries (Paul)	- Drakenstein (paul@drakenstein.gov.za)
W Albertyn (Willem) Vice Chairman	- Drakenstein (willie.albertyn@drakenstein.gov.za)
Y Ngalwana (Yolanda)	- Eskom (NgalwaY@eskom.co.za)
N Nonkonela (Ntombothando)	- Eskom (NonkonNt@eskom.co.za)
B Cornelius (Bennie)	- George
BN August (Ben)	- George (ben@george.org.za)
KD Grunewald (Kevin)	- George (kevin@george.org.za)
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J Lesch (Justin)	- Hessequa (justin@hessequa.gov.za)
MJ Rhode (Michael)	- Knysna (mrhode@knysna.gov.za)
D Engelbrecht (Deon)	- Matzikama (Vredendal) (engelbrechtd@matzikamamun.co.za)
D Maree (Danie)	- Overstrand (dmaree@overstrand.gov.za)
JH du Plessis (Kobus)	- Overstrand (kduplessis@overstrand.gov.za)
L Eksteen (Leon)	- PGWC/LG (Leon.Eksteen@westerncape.gov.za)
N Dube (Njabulo)	- PGWC/LG (njabulo.dube@westerncape.gov.za)
C du Preez (Cassie)	- Saldanha Bay (Cassie.Dupreez@sbm.gov.za)
J du Plessis (Johan) Chairman	- Saldanha Bay (johan.duplessis@sbm.gov.za)
R Bindeman (Rens)	- SARPA (rens@mweb.co.za)
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L de Lange (Lourens)	- Stellenbosch (Lourens.DeLange@stellenbosch.gov.za)
B Marais (Belinda)	- Swartland (maraisb@swartland.org.za)
S Herbst (Salman)	- Swellendam (sherbst@swellenmun.co.za)
FH du Toit (Francois)	- Theewaterskloof (francoisdu@twk.org.za)

AFFILIATES / AFFILIATE

F Bower (Frans)	- ABB SA (Pty) Ltd
B Addinall (Barry)	- ABB SA (Pty) Ltd (barry.addinall@za.abb.com)
ME Brandt (Michael)	- ABB SA (Pty) Ltd (mike.brandt@za.abb.com)
JR Cooper (Jennifer)	- Aberdare Cables (jcooper@aberdare.co.za)
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N Randall (Neville)	- Eya Bantu Professional Services (neville@eya-bantu.co.za)
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M Coetzee (Malan)	- LED Corp (malancoetzee@telkomsa.net)
L Lerm (Leon)	- LL Energy (leon@llenergy.co.za)
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J Greenlees (John)	- Poly Box (john@polybox.co.za)
P Willers (Peter)	- Poly Box (peter@polybox.co.za)
P Brink (Pierre)	- Poly Box (pierre@polybox.co.za)
G Scriven (Grant)	- Power Process Systems (grant@ppspower.co.za)
G Schaufelbuhl (Greg)	- Progressive Energy (greg@progressive-energy.co.za)
JS Visser (Jacques)	- Schneider Electric (jacques.visser@schneider-electric.com)
AI Theron (Adriaan)	- Tank Industries (adriaan.theron@tank.co.za)
IV Smith (Ian)	- Tank Industries (ian.smith@tank.co.za)
W Snyman (Wietsché)	- WorleyParsons (wietsche.snyman@WorleyParsons.com)
G Smit (Gareth)	- Zest (Gareth.Smit@zest.co.za)

RETIRED MEMBERS

J Rossouw (Johan)	- Retired member (johanrossouw79@gmail.com)
J Pereira (Jorge)	- Honorary member (jorgepereira43@yahoo.co.za)
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 the meeting was opened with a prayer.

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 13:00.

1.3 Acknowledgments/Bedankings

The Chairman welcomed all present and thanked the Cedarberg Municipality and staff, and Gareth Smit for all the arrangements for the meeting, and the Sir Lambert Cellars 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

None

2. APOLOGIES / VERSKONINGS

V Padayachee (Vally)	- AMEU (vally@vdw.co.za)
R van Staden (Roelof)	- Beaufort West (roelof@beaufortwestmun.co.za)
HJ Benecke (Henk)	- Breede Valley (hbenecke@bvm.gov.za)
HM Hendriks (Hilton)	- Breede Valley (hhendriks@bvm.gov.za)
E Sonnenberg (Ernest)	- Cape Town (ernest.sonnenberg@capetown.gov.za)
SW Arendse (Sheval)	- Cape Town (Sheval.Arendse@capetown.gov.za)
DR Gabriels (David)	- Drakenstein (davidg@drakenstein.gov.za)
D Louw (Deon)	- Drakenstein (deon.louw@drakenstein.gov.za)
J Bence (Jaco)	- Drakenstein (jacob@drakenstein.gov.za)
J Rademeyer (Johan)	- Drakenstein (johan.rademeyer@drakenstein.gov.za)
A Makan (Athena)	- Eskom (MakanA@eskom.co.za)
I Janse van Rensburg	- Matzikama (Vredendal)
A van der Westhuizen (Adrian)	- Stellenbosch (Adrian.vanderWesthuizen@stellenbosch.gov.za)
J Coetzee (Jan)	- Stellenbosch (Johannes.Coetzee@stellenbosch.gov.za)
F Erasmus (Frik)	- Swellendam (frik@swellenmun.co.za)
D Cackett (Duncan)	- Emerald Infrastructure Solutions (duncan.c@emerald-is.co.za)
H Erwin (Hein)	- Kocos Measurement & Control Pty Ltd (herwin@kocos.co.za)
D Tarr (Dave)	- Landis & Gyr (dave.tarr@landisgyr.com)
R Petersen (Rezaan)	- Landis & Gyr (rezaan.petersen@landisgyr.com)
R St John (Rick)	- Lucy Electric (rick.stjohn@lucyelectric.com)
A Bedeker (Attie)	- Lyners (attie@lyners.co.za)
J Frylinck (John)	- Lyners (johnf@lyners.co.za)
OCT Potgieter (Theo)	- Lyners (theo@lyners.co.za)
C van der Toorn (Billy)	- Schneider Electric (billy.van-der-toorn@schneider-electric.com)
CG Scheepers (Carel)	- Schneider Electric (carel.scheepers@schneider-electric.com)
J Renney (Joe)	- Honorary member (joerenney151@gmail.com)
LR Richardson (Len)	- Honorary member (richardsonlr@telkomsa.net)
JJG Nel (Johan)	- Honorary member (neljig@gmail.com)

3. CHANGE OF ADDRESS / ADRESVERANDERING

1. Salmon Herbst of Swellendam Municipality advised that **Frik Erasmus** (previously from Mogale City Local Municipality) joined Swellendam Municipality on 1 July 2016 as the new Infrastructure Director of Swellendam Municipality.
2. Raymond Haywood of Witzenberg Municipality (Ceres) has advised that **Pierre Van Den Heever**, an honorary member of the AMEU, has started as the Manager Electricity Services, at Witzenberg Municipality.
3. Itron has changed its name to Ontec
4. Vally Padayachee has been appointed as the Strategic Advisor to replace Peter Fowles. Vally sent apologies for this meeting as he has another meeting he has to attend.

4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 195TH GENERAL MEETING HELD AT THE CITY OF CAPE TOWN, BLOEMHOF ELECTRICITY HEAD OFFICE, BELLVILLE ON FRIDAY, 13 AUGUST 2016.

BEKRAGTIGING VAN DIE NOTULE VAN DIE VMEO-GEAFFILLIEERDES / GOEIE HOOP-TAK 195^{STE} ALGEMENE VERGADERING GEHOU OP VRYDAG 13 AUGUSTUS 2016 BY DIE STAD KAAPSTAD SE ELEKTRISITEITS HOOF KANTOOR, BELLVILLE.

- 4.1 Copies of the minutes of meeting had been circulated to all members.
- 4.2 The adoption of the minutes was accepted 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

Johan du Plessis – NERSA consultation paper on licencing process.

7. CORRESPONDENCE / KORRESPONDENSIE

Neil Ballantyne received an e-mail from Peter Fowles from the USA. Peter sends his best wishes to all the members of the Good Hope Branch. He says he and Marilyn are enjoying their new lives in the USA near their children and that they have been on a few trips from their home in Florida to places nearby, and on a trip to Washington for 4 days which was very interesting with all its various museums. Unfortunately he had a sudden medical problem and had to be hospitalised on the night of 20 July for an emergency operation. He now is recovering at home but might need follow up surgery.

The Chairman suggested we send Peter greetings from the Good Hope Branch and wish him well for a speedy recovery to 100% health.

8. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILLIEERDES

1. "Abertrack" - Lionell Boshoff - Aberdare Cables (See presentation 8-1)

- Aberdare has been taken over by a Chinese company
- Abertrack system has been introduced into the production process
- Transponders are placed into the cable drums
- Explanation of what Abertrack is was given
 - Used for stock tracking
 - Theft monitoring – this is a deterrent

- Location movement tracking
- System measures efficiencies
- Can be used to track and trace stolen property
- System operation was explained
- Functionality of system was covered
- Basic system cost is R4000 per month on a service agreement
- Cable marker tape with sequential numbering has now been included into the cable in the manufacturing process
- Looking into doing trials on using microdot technology.

2. “New value proposition for power quality” – Willie van Wyk – CT Lab

- Power quality update given
- Osprey Pro development is scheduled for mid-2017
- Training seminar programme is to be started in the Western Cape
- What is Power Quality? – key points were discussed
- What should power quality have been? – a quality management tool
- Renewable energy generator connections to the grid affect the quality of the supply
- Main benefit of a power quality programme:
 - Reduction in operational cost
 - Improves grid availability
 - Reduces risk
 - Collects valuable network performance data
- A typical substation diagram was shown with various inputs discussed – especially renewables
- New business case proposed to monitor harmonics on the grid by installing instruments at various nodes on the grid
- Power quality monitoring is not taken as its rightful in South African utilities.
- CT Lab has teamed up with SPASA which produces smart meters for vending systems
- CT Lab want to provide professional skills for data analysis and interpretation with funding included in the package. How this is to be achieved was explained.

3. “Introduction to Tank Industries A Division of ATC (Pty) Ltd” – Ian Smith & Adriaan Theron – Tank Industries

(See presentations 8-3)

- An overview of the company history was given
- There is a manufacturing facility in Cape Town
- Services are provided from the base in Cape Town
- Testing facilities are also available in Cape Town and larger test facilities are in Johannesburg
- The product line was explained
 - Cable joints and terminations
 - Transition joints (paper to XLPE)
 - Connectors and connector systems
 - Insulation products
 - General products
 - Explanation of “Power Patch” given
- Products are certified, tested and approved
- KIPTS natural aging and pollution performance testing of insulators, etc was shown
- Failure analysis reports are produced.

9. REPORTS / VERSLAE

9.1 Report from the Representatives on the Executive Council Verslag van Verteenwoordigers op die Uitvoerende Raad

(See presentations 9-2)

Siyabulela Gqwede reported on the meetings held in Johannesburg on 8/9 June 2016.

Highlights:

- Vally Padayachee, the new Strategic Advisor was introduced to the AMEU members

- Financial statements are in good standing but some fees are outstanding
- WiE budget for conference was presented
- Discussion held on SALGA – Eskom memorandum of understanding
- Eskom to open up training courses to municipal members
- AMEU – Eskom demarcation issues to be addressed
- Role of electrical inspectors in municipalities:
 - Workshop with Department of Labour is still to take place
- Eskom tariffs are being demanded by customers in municipal areas – this has been taken to court for resolution
- NERSA licence regulation is being looked at. Resellers are involved in this.
- Small scale embedded generation licencing issues are still with the Department of Energy
- Training – SALGA discussions with LGSETA and Eskom taking place
- AMEU website has been updated for the Convention on 2 to 5 October 2016 in Vanderbijlpark
- Some progress has been made on ADAM projects
- Renewable energy – 94MW from PV panels has been installed – guidelines and co-ordination is still needed in SSEG Regulations
- Eskom – supply status is stable at present
- 5% levy that Eskom charged has been waived by the Department of Energy.

9.2 Report back – “Women in Electricity- Progress Feedback – 2016 Convention Update” - Yolanda Ngalwana - Eskom
(See presentations 9-2)

- Feedback on the Pillars given:
 - Mentorship –Management and leadership master classes – advantages listed
 - Partnership and Networking – progress discussed
 - International Exchange Programme – Germany workshop outcome feedback given
 - Talent Development – Achievements listed. Schools and Universities are involved
- Future plans of programme listed
- 2016 WiE Convention highlights covered with objectives being listed.

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

No report.

10. FEEDBACK FROM SARPA / TERUGVOERING VAN SARPA

Rens Bindeman reported on:

- SARPA Convention will be held in Bloemfontein on 24/25 August 2016
- There has been no Executive Committee meeting held since the last Good Hope Branch meeting held in May 2016
- A pepper spray alarm system demonstration will be given after the meeting.

11. REPORTS FROM GOVERNMENT DEPARTMENTS / TERUGVOERING VAN STAATS DEPARTEMENTE

11.1 Department of Local Government / Departement van Plaaslike Owerhede
(Njabulo Dube)

No report was given at this meeting

11.2 Department of Energy / Departement van Energie
(Mhlangbezi Mzalisi)

Mhlangbezi tendered his apologies for this meeting so there was no report given.

12. COMPLIANCE / LEGISLATION

Nothing was raised

13. INCIDENTS / ACCIDENTS

No incidents reported.

14. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES**4. “Taking the sweat out of Breaker Selection”- Tom Phillips - Inspired Interfaces (Pty) Ltd
(See presentation 14-4)**

- Software to assist circuit breaker cascading selections
- Contains database of LV breaker types
- Design tool interface shown and discussed – a selection wizard
- Selection options listed
- Cables are selected from a database which includes cable installation configurations
- A volt drop calculator is also available
- Distribution board modelling facility also present
- Bill of quantities for materials can be drawn up using the wizard.

5. “LEDcorp Industrial LED Lighting” - Eswie Esterhuizen - LEDcorp

- A history of LEDCorp was given
- LEDCorp do their own research and development on LED products
- Industrial LED lighting market
- Good range of products is available
- They are manufacturers of industrial LED lights

**15. ITEMS HELD OVER FOR DISCUSSION FROM 195th GENERAL MEETING
ITEMS WAT OORSTAAN VIR BESPREKING VAN 195^{ste} ALGEMENE VERGADERING**

None

16. ADDITIONAL ITEMS FOR DISCUSSION / BESPREKING VAN BYKOMENDE ITEMS

Covered in the report back from the Executive Committee.

17. MATTERS FROM OTHER BRANCHES / AANGELEENTHEDE VAN ANDER TAK**Experiences on condition monitoring - Patrick O’Halloran - Chief Engineer, Condition Monitoring City Power, Johannesburg**

(See presentation 17)

- A new department was formed in City Power to address condition monitoring
- City Power has formed a relationship with Singapore Utility
 - Using international benchmarking
 - Singapore key performance indices discussed
- Condition monitoring – network asset management system explained
- Benefits of condition monitoring listed
- Expected results covered
- Singapore condition monitoring road map explained
- Evaluation of maintenance practices – a new approach discussed
- Examples of failures shown
- Partial discharge explained
- Singapore condition monitoring techniques shown and explained – basic tests covered
- Cable testing techniques shown

- On-line monitors are also used
- Plan for the future of condition monitoring in City Power presented.

18. GENERAL / ALGEMEEN

None.

19. SPONSORSHIP

Gareth Smit thanked all the firms who had provided generous sponsorship for the meetings and evening function, and also thanked the Cedarberg Municipality and their staff for the arrangement for the meetings and the Sir Lambert Cellars for the use of their facilities.

**20. DATES AND PLACES OF AMEU MEETINGS
DATUMS EN PLEKKE VAN VMEEO VERGADERINGS**

20.1 10/11 November 2016 - George

The chairman requested venues for the meetings in 2017 and set out the suggest dates for the SARPA/AMEU meetings as follows:

9/10 February 2017
11/12 May 2017
10/11 August 2017
9/10 November 2017

These dates to be submitted to Vally Padayachee for confirmation and aligning with other branch meeting dates.

Floris Koegelenberg, (Stellenbosch Municipality) advised that he would seek permission to hold the February meetings in Franschhoek.

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

The Chairman thanked all for attending the meeting, and for the Cedarberg Municipality for hosting the meeting. The meeting was closed at 12:40.

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