

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

**GOOD HOPE BRANCH / GOEIE HOOP TAK**

**MINUTES OF THE 191<sup>st</sup> GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA) HELD AT THE CITY OF CAPE TOWN, BLOEMHOF ELECTRICITY HEAD OFFICE, BELLVILLE ON FRIDAY 15 MAY 2015 AT 08:30.**

**NOTULE VAN DIE 191<sup>ste</sup> ALGEMENE VERGADERING VAN DIE VMEU-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) WAT OP VRYDAG, 15 MEI 2015 OM 08:30 BY DIE STAD KAAPSTAD SE ELEKTRISITEITS HOOF KANTOOR, BELLVILLE GEHOU IS.**

**ATTENDANCE / BYWONING**

**MEMBERS / LEDE**

HJ Benecke (Henk)	- Breede Valley (hbenecke@bvm.gov.za)
PJD Everson (Pieter)	- Cape Agulhas (piete@capeagulhas.com)
C Justus (Clive)	- Cape Town (clive.justus@capetown.gov.za)
J Jonker (Jean)	- Cape Town (jean.jonker@capetown.gov.za)
N Ballantyne (Neil) Secretary	- Cape Town (neil.ballantyne@capetown.gov.za)
S Gqwede (Siyabulela)	- Cape Town (siyabulela.gqwede@capetown.gov.za)
JJ van Zyl (Jac)	- Cederberg (vanzylj@cederbergraad.co.za)
N Jiyana (Noluthando)	- Dept of Energy
D Louw (Deon)	- Drakenstein (deon.louw@drakenstein.gov.za)
J Rademeyer (Johan)	- Drakenstein (johan.rademeyer@drakenstein.gov.za)
PG de Vries (Paul)	- Drakenstein (paul@drakenstein.gov.za)
JS Coelho (Joe)	- Eskom (coelhoj@eskom.co.za)
D Esterhuysen (Deon)	- George (deone@george.org.za)
D Baxter (Derek)	- George (derek@george.org.za)
WT Harris	- George (gmharrisw@gmail.com)
KD Grunewald (Kevin)	- George (kevin@george.org.za)
D Maree (Danie)	- Overstrand (dmaree@overstrand.gov.za)
JH du Plessis (Kobus)	- Overstrand (kduplessis@overstrand.gov.za)
N Dube	- PGWC/LG
L Eksteen (Leon)	- PGWC/LG (leksteen@pgwc.gov.za)
J du Plessis (Johan) Vice Chairman	- Saldanha Bay (johan.duplessis@sbm.gov.za )
V Scheepers (Valanceo)	- Saldanha Bay (valanceo.scheepers@sbm.gov.za )
R Bindeman (Rens)	- SARPA (rens@mweb.co.za)
B Marais (Belinda)	- Swartland (maraisb@swartland.org.za)
R du Toit (Roelof)	- Swartland (roelof@swartland.org.za)

**AFFILIATES / AFFILIATE**

C Angelo (Calvino)	- Actom (angelo.calvino@actom.co.za)
C Hampshire (Clive)	- Actom (clive.hampshire@actom.co.za)
M van Meygaarden (Marius)	- Actom (marius.van-meygaarden@actom.co.za)
RV Els (Robert)	- Actom (Robert.els@actom.co.za)
S Sabatti	- Actom (tory.Sabatti@actom.co.za)

DB Greeff (Danie)	- BDE Consult (dgreeff@bdeconsult.co.za)
S Wilson (Stewart)	- CBI Electric (stewart.wilson@cbi-electric.com)
S Williams (Selwyn)	- CBI Electric (swilliams@cbi-electric.com)
A Aden (Abduraghmaan)	- Electro Inductive Industries
R Ludick (Rudolph)	- Element Consulting Engineers
J Horne (James)	- Element Consulting Engineers (jhorne@eceng.co.za)
J Smit (Johann)	- Element Consulting Engineers (jsmit@eceng.co.za)
B Raw (Bruce)	- Green Cape (bruce@green-cape.co.za)
J Radmore (Jack)	- Green Cape (jack@green-cape.co.za)
K Kotzen (Kevin)	- Green Cape (kevin@green-cape.co.za)
K Mattheus (Kevin)	- HVSS (kevin.mattheus36@gmail.com)
I Kilian (Ivar)	- Itron (ivar.kilian@itron.com)
R Petersen (Rezaan)	- Landis & Gyr (rezaan.petersen@landisgyr.com)
TG Moilola (Thabiso)	- Landis & Gyr (thabiso.moilola@landisgyr.com)
L Lerm (Leon)	- LL Energy (leon@llenergy.co.za)
R St John (Rick)	- Lucy Electric (rick.stjohn@lucyswitchgear.com)
OCT Potgieter (Theo)	- Lyners (theo@lyners.co.za)
G Lotter (George)	- Motla (georgel@motla.co.za)
L Fourie (Leon)	- PB Power (fourieleon@pbworld.com)
A Evans (Andrew)	- Pennwell (andrewe@pennwell.com)
P Harries (Peter)	- PM&D (peterh@powermeasurement.co.za)
Cynsul Seedat	- Spintelligent
Al Theron (Adriaan)	- Tank Industries (adriaan@tank.co.za)
IV Smith (Ian)	- Tank Industries (ian.smith@tank.co.za)
D Martch (Dean)	- Voltex (dmartch@voltex.co.za)
T Smith (Tony)	- Voltex (tonyvoltex@gmail.com)
M Kelly (Marcel)	- Woodbeam (marcel.kelly@woodbeam.co.za)
W Snyman (Wietsché)	- WorleyParsons (wietsche.snyman@WorleyParsons.com)
K Dare (Kim)	- WPI Power Solutions (kim@wpi.co.za)
M Greeff (Marthinus)	- Zest
G Smit (Gareth)	- Zest (Gareth.Smit@zest.co.za)
B Bosch (Benjamin)	-

## **RETIRED MEMBERS**

J Renney (Joe)	- Honorary member (joerenney151@gmail.com)
J Pereira (Jorge)	- Honorary member (jorgepereira43@yahoo.co.za)
AG Wearne (Archie)	- Retired member (awearne@telkomsa.net)
LR Richardson (Len)	- Retired member (richardsonlr@telkomsa.net)

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

The Chairman welcomed all to the meeting and introduced the Alderman Clive Justus from City of Cape Town, who addressed the meeting, after which the meeting was opened with a prayer.

### **1.2 Arrangements/Reëlings**

Gareth Smit gave details of the arrangements for the tea break at 10:15 and a lunch which will be held at 13:30.

**1.3 Acknowledgments/Bedankings**

The Chairman thanked the City of Cape Town for the use of the facilities, Gareth Smit and the City's staff for the arrangements, and the Affiliates for their sponsorship.

**1.4 Announcements/Aankondigings**

A minute of silence was observed in remembrance of MC Human (Drakenstein) and Leon Swanepoel (Saldanha Bay) who both passed away since the last meeting.

**2. APOLOGIES / VERSKONINGS**

PE Fowles (Peter)	- AMEU (pf15@mweb.co.za)
HM Hendriks (Hilton)	- Breede Valley (hhendriks@bvm.gov.za)
M Mzalisi (Mhlangabezi)	- Dept of Energy (mhlangabezi.mzalisi@energy.gov.za)
F du Toit	- Saldanha Bay
A Mostert	- Saldanha Bay
C du Preez (Cassie)	- Saldanha Bay (Cassie.Dupreez@sbm.gov.za)
FJC Koegelenberg (Floris)	- Stellenbosch (floris.koegelenberg@stellenbosch.gov.za)
FH du Toit (Francois)	- Theewaterskloof (francoisdu@twk.org.za)
D Tarr (Dave)	- Landis & Gyr (dave.tarr@landisgyr.com)
C Kühn (Curren-David)	- Motla (currenk@motla.co.za)
JH Götze (Hugo)	- Motla (hugog@motla.co.za)

**3. CHANGE OF ADDRESS / ADRESVERANDERING**

None

**4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 190<sup>th</sup> GENERAL MEETING HELD AT THE UYLENVLEI RETREAT 14KM FROM GANSBAAI ON FRIDAY 20 FEBRUARY 2015.**

**BEKRAGTIGING VAN DIE NOTULE VAN DIE VMEO-GEAFFILLIEERDES / GOEIE HOOP-TAK, 190<sup>STE</sup> ALGEMENE VERGADERING GEHOU OP VRYDAG, 20 FEBRUARIE 2015 BY DIE UYLENVLEI RETREAT 14KM VANAF GANSBAAI.**

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

4.2 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**

None

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

1. Generators – Leon Lerm
2. Compliance management – Johan du Plessis

**7. CORRESPONDENCE / KORRESPONDENSIE**

None

## 8. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES

### 1. “Motor efficiencies” - Marthinus Greeff - Zest Weg Group

(See presentation 8-1)

- The energy issue:
  - Electricity consumption will double by 2050 and there is a need to conserve electricity.
  - Need to improve efficiencies – particularly on electric motors.
- Description and construction of electric motors explained
- Losses and efficiencies covered
- Electric motor evolution discussed
- History and product development explained
- Efficiency class grading listed – worldwide standard explained
- Rating plate details given
- Factors to consider when selecting a motor listed
- Benefits of a high power factor given
- Repairs of motors discussed
- Global consumption facts given
- Savings achieved by using a high efficiency motor mentioned.

### 2. “Arc fault protection” - Marcel Kelly - WoodBeam

(See presentation 8-2)

- Causes of internal arcs discussed
- Effects of internal arcs given
- Examples of the result of internal arcs shown
- Oil circuit breaker maintenance procedures given
- Protection devices that can be install:
  - RMS 1S20 device explained
    - Configuration
    - Visual indication
    - Wiring required
    - Location of device
    - Features explained
  - RMS 1S24:
    - 16 device inputs available
    - Operation explained
- Reasons for installation of arc sensors summarised
- Retrofit solutions to replace DCDs covered. 7SR119 Argus and Argus C.

## 9. REPORTS / VERSLAE

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

- **Overberg** - No matters to report
- **Wynland** - No matters to report
- **Eden** - No matters to report
- **West Coast** – No matters to report
- **Central Karoo** – No matters to report

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

Peter Fowles is away in USA on long leave. No report is available.

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

Deon Louw stated that there is nothing to report on the wiring code. The new Drakenstein Electricity Supply By-law is working well. Funding of tariffs for co-generation can be problematic for municipalities for high consumption uses due to lower energy rates.

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

Paul de Vries reported that there is a need to get figures from municipalities as to the number and value of copper and material theft they suffer. The reports required need to state the SARS case number, the value of the material lost and the cost of measures taken to protect the infrastructure.

Rens Bindeman will send out a document on which to record this information. This needs to be returned to Paul de Vries who will take the documents to the Provincial Police structures.

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

**11.1 Department of Local Government / Departement van Plaaslike Owerhede  
(Leon Eksteen)**

(See presentation 11-1)

Leon Eksteen reported:

- Njabulo Dube is to replace Joe Renney as the Department of Local Government's representative at Branch meetings.
- MIG (Municipal Infrastructure Grant) figures were presented.
- The effect of the MIF funding was shown – before and after photographs of the implementation of projects
- Electricity Master Plan project steering committee was presented. Draft plans for future roll out was given.

**11.2 Department of Energy / Departement van Energie  
(Mrs Elizabeth Marabwa – Chief Director: Programme and Projects, Project Management Unit)**

(See presentation 11-2)

- A project management team is to be formed to assist municipalities who are struggling to deliver projects.
- To assist with planning and the execution of projects
- An explanation of processes from the application for the execution of projects was given - the use of the project management plan with monthly reporting.
- The experience of well performing municipalities is to be tapped.

**12. SARS Renewable Energy, R&D and Energy Efficiency Incentives – Barry Bredenkamp – SANEDI**

This item will be presented at the meeting in Caledon on 14 August 2015 due to Barry Bredenkamp having to attend to another urgent matter.

Joe Coelho from Eskom asked the municipalities when they submit essential load registers the municipalities' essential loads as well as those of their customers must be included in submissions.

**13. COMPLIANCE / LEGISLATION**

Nothing raised.

**14. INCIDENTS / ACCIDENTS**

No incident to report.

**15. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES****3. "Instrument transformers" - Angelo Calvino - Actom**

(See presentation 15-3)

- Current and voltage transformers can be provided up to a voltage of 132kV
- Instrument transformers are locally manufactured
- The available range of instrument transformers was shown
- A reminder was given not to forget to short out unused current transformers! 40 kV can develop across the terminals if left open circuit
- Specifications and characteristics of transformers discussed
- Outdoor metering units are available.

**4. "Mobile Workforce Management" - Boetie Raats - Powertech**

- Explanation of business challenges listed:
  - Operational environment
  - Management
  - Good customer services
  - Customers
  - Field technicians
  - Back office work
  - Statistics reporting
- Solution is provided by Workforce Management
- Provides:
  - Remote updating of mobile devices
  - Enterprise navigation
  - Mobile GIS
- Solution rated by Gartner
- Explanation of demand forecasting and planning given
- How this model fits in business was explained
- Demo system screens presented
- List of mobile devices that are supported was given
- Value of system was motivated and benefits explained.

**16. ITEMS HELD OVER FOR DISCUSSION FROM 190<sup>th</sup> GENERAL MEETING  
ITEMS WAT OORSTAAN VIR BESPREKING VAN 190<sup>ste</sup> ALGEMENE VERGADERING**

None

**17. ADDITIONAL ITEMS FOR DISCUSSION / BESPREKING VAN BYKOMENDE ITEMS**

1. Leon Lerm – use of portable generators.
  - Stated that there seems to be no need to apply for approval for the use of such generators, whereas permanently installed generators have to comply with a stringent application process.

Deon Louw commented: The Electricity Supply By-law states the requirement for standby generator applications. Also NRS 097 prescribes requirements.

Johan du Plessis mentioned safety concerns, air pollution and noise control. There is a requirement to educate the community in this regard.

Deon Louw stated that municipalities need to register small co-generation sites.
2. Johan du Plessis raised the matter of compliance management to MFMA and other laws. His concern is the Electricity Regulation Act. Under Section 27 there is a requirement for a portfolio of evidence. He asked if other municipalities have such portfolios of evidence

It was decided that this needs to be discussed at a future meeting.

**18. MATTERS FROM OTHER BRANCHES / AANGELEENTHEDE VAN ANDER TAK**

None

**19. GENERAL / ALGEMEEN**

**1. Report back from GreenCape – Kevin Kotzen**

(See presentation 19-1)

- Feedback on work so far and plans for the future
- The role of GreenCape was explained
- Explanation given of what intervention covers in green energy space
- List of what has been achieved was shown – George, Stellenbosch and Matzikama projects
- He mentioned what has happened in the green landscape
- The effect of municipal revenue and tariffs due to green energy installations
- Customers' load profile changes need to be taken into account in tariff formulations
- The structure of tariffs can protect the revenue income
- There is a problem with inverse block tariff implementation
- Need active engagement to resolve issues
- Roadmaps moving forward is to use the City of Cape Town documents for control of small scale energy generation and develop a generic set of document for use by other municipalities.

**2. Presentation and demonstration of the City of Cape Town's new public lighting vehicle – Jean Jonker**

(See presentation 19-2)

- Introduction of the Technical Services Unit – Fleet Services was given.
- The need for this specialised vehicle was explained
- Vehicle was designed to users requirements – comprises aerial platform, hydraulic crane and pole racks.
- The vehicle's statistics was presented
- Driver/operator training and certification carried out for the vehicle's crew
- Operational benefits was listed
- The vehicle was demonstrated during the lunch break.

**20. SPONSORSHIP**

Gareth Smit thanked all the firms who had provided generous sponsorship for the meetings and evening function, and also thanked the City of Cape Town for all the facilities that were provided.

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

21.1 14 August 2015 - Caledon (Theewaterskloof)  
21.2 12/13 November 2015 - Saldanha Bay

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

The Chairman thanked all for attending and closed the meeting at 12:35.

N BALLANTYNE  
HON. SECRETARY  
[nballantyne@cybersmart.co.za](mailto:nballantyne@cybersmart.co.za)  
CELL 084 909 9308