

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

**GOOD HOPE BRANCH / GOEIE HOOP TAK**

**MINUTES OF THE 193<sup>RD</sup> GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA) HELD AT THE WESKUS SCHOOL, SALDANHA BAY ON THURSDAY 12 NOVEMBER AT 14:00 AND FRIDAY 13 NOVEMBER 2015 AT 08:30.**

**NOTULE VAN DIE 193<sup>STE</sup> ALGEMENE VERGADERING VAN DIE VMEU-GEAFFILLIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) BY DIE WESKUS SKOOL, SALDANHABAAI GEHOU OP DONDERDAG, 12 NOVEMBER OM 14:00 EN VRYDAG 13 NOVEMBER 2015 OM 08:30.**

**THURSDAY, 12 NOVEMBER 2015 AT 14:00**  
**DONDERDAG, 12 NOVEMBER 2015 OM 14:00**

**AMEU GENERAL MEETING -Session One**

**ATTENDANCE / BYWONING – 12 November 2015**

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- N Ballantyne (Neil) Secretary - Honorary member (nballantyne@cybersmart.co.za)  
 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, after which Cllr Frank Pronk, Portfolio Councillor, Saldanha Bay Municipality addressed the meeting and welcomed all delegates to Saldanha Bay.

**1.2 Arrangements/Reëlings**

Gareth Smit gave details of the arrangements for the tea break at 15:30 and a supper which will be held at 19:00 at the Hoedjiesbaai Hotel.

**1.3 Acknowledgments/Bedankings**

The Chairman thanked the Weskus School for the use of their facilities and for the provision of tea and food for lunches, Gareth Smit and the Saldanha Bay Municipality for planning the meeting and the Affiliates for their generous sponsorship.

**1.4 Announcements/Aankondigings**

None.

**2. APOLOGIES / VERSKONINGS**

- |                               |  |
|-------------------------------|--|
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**3. CHANGE OF ADDRESS / ADRESVERANDERING**

None

**4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 192<sup>nd</sup> GENERAL MEETING HELD AT THE VICTORIA HALL, IAN TOERIEN WAY, CALEDON ON FRIDAY 14 AUGUST 2015.**  
**BEKRAGTIGING VAN DIE NOTULE VAN DIE VME0-GEAFFILLIEERDES / GOEIE HOOP-TAK, 192<sup>STE</sup> ALGEMENE VERGADERING GEHOU OP VRYDAG, 14 AUGUSTUS 2015 BY DIE VICTORIA SAAL, IAN TOERIENWEG, CALEDON.**

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 18  
BYKOMENDE ITEMS VIR BESPREKING UNDER ITEM 18**

None

**7. CORRESPONDENCE / KORRESPONDENSIE**

None

**8. REPORTS / VERSLAE**

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

- **Overberg** – Nothing to report
- **Wynland** – Nothing to report
- **Eden** – Nothing to report
- **West Coast** – Nothing to report
- **Central Karoo** – Nothing to report
- **Cape Metro** – Nothing to report

**8.2 Sub-Committee: Wiring Code Revisions and Standard Electricity Supply By-Law  
(Convenor: Deon Louw)  
Subkomitee: Bedradingskodehersienings en standaardelektrisiteitsvoorsieningsverordening  
(Saamroeper: Deon Louw)**

Nothing to report.

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

Paul de Vries reported:

- The meeting had discussed the new Criminal Law Amendment Bill that will deal with infrastructure theft – very high penalties are proposed
- The loss of stolen infrastructure in the Southern Cape is running at R6m per month!

**10. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES**

**10.1 “Cutting Edge Solutions In Combating Theft” - Dave Turton - EdgeLine**

- Protection of street kiosks
- Background of the company was presented
- Photos of their factory were shown
- The history of the product lines were explained
- The design of boxes was highlighted
- E-smart controller was described that controls the locking mechanism – an electro-mechanical locking system
- The range of locks that are available were shown
- Network connectivity explained with “smart key”
- Permission matrix for access to locks was explained
- ABUS mechanical locks shown and key system explained
- Substation doors for retrofitting was shown – a very secure design
- High security kiosk range is available
- High mast pole door retrofits are also available.

## 10.2 “Smart STS Prepayment Solutions” – Dave Tarr - Landis & Gyr (see presentation 10-2)

- Convergence of STS technology and smart metering – especially prepayment meters
- Use of open standards is important
- Typical municipal challenges were listed
- Smart technology offers communication with meters – remote disconnection and reconnection of supplies
- Load control via meters is now possible
- The difference between AMI and Smart meters was explained
- AMI vs AMR covered, AMR being one way communication
- What does a smart meter comprise:
  - o 2 way communication
  - o Real time clock
  - o Time of Use possible
  - o Remote disconnection and reconnection of supplies
  - o Power limiting
  - o Read meter parameters
  - o Typical STS functionality
  - o Open standard for PLC communication now exists – G3 PLC Alliance
  - o Prepaid or post-paid modes
  - o System is scalable from simple split prepayment meter to full AMI system
- Concept of data concentrator explained
- Ability to obtain power quality information
- Revenue protection functionality mentioned
- Can detect tampering under zero power conditions.

## 10.3 “New IEC61439 vs IEC60439 and Modular Type Tested LV Enclosures” - Vito Di Mola - ABB

- IEC structure covered
- IEC 61439 explained – covers switchgear assemblies
  - o Only certain parts of assembly need to be tested
  - o Some cases can be calculated
- IEC 61439 supersedes IEC 60439
- Changes in South African standards was explained
- Software system from ABB is available to design switchgear panels
- Panels are supplied in a flat format and must be assembled on site
- This saves transport costs.

**Close of day’s session at 16:35.**

**FRIDAY, 13 NOVEMBER 2015 AT 08:30**  
**VRYDAG, 13 NOVEMBER 2015 OM 08:30**

**AMEU GENERAL MEETING -Session Two**

**ATTENDANCE / BYWONING – 13 November 2015**

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

The Chairman welcomed all to the Friday session.

Arrangements for the morning were announced, tea being at 10:30 and lunch at 13:00.

**Evan Schiff, Event Director for African Utility Week conducted a survey amongst the audience to determine the interest in topics to be incorporated into the African Utility Week scheduled to be held in May 2016. (See presentation 11)**

#### **12. REPORTS / VERSLAE**

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

**(See presentation 12-1)**

**Peter Fowles highlighted the following:**

- Finances are in a sound position
- Election for Affiliates Chair is to be held due to resignation of existing chairperson
- 2016 Convention to be held in Vereeniging from 2 to 5 October 2016
- SALGA / Eskom MOU discussed – still to be signed
  - o A programme management office to be established by SALGA
- Role of electrical inspectors in municipalities was discussed.
  - o History described. DoL and AMEU to convene a meeting to take issues raised forward – Certificate of Compliance data base is one of the issues
- Municipal Infrastructure Support Agency (MISA) to establish national contracts for the supply of goods and services – use of these contracts is voluntary. This will be workshopped in municipalities by MISA
- Tariff issues – embedded generation causing major issues with revenue and tariffs – consultation paper to be issued soon
- NERSA resellers – policy is ready to be issued
- Document for Small scale generation regulatory framework for distribution has been finalised

- Eskom funding of new and upgraded supplies to municipalities is still under discussion.
- Annual tariff survey by Stephen Delport will be put onto the AMEU website next week
- Court challenges – Municipal versus Eskom as supplier
- Government Certificate of Competency issues covered – Only 3 places available on Eskom courses for municipal staff
- ADAM project – Backlog of maintenances is now estimated to be R68bn.
- National solar water heating programme
  - o No funds available for municipalities
- NRS 048-9 Load shedding practice discussed
- Electrification issues raised
- Workshop on strategy planning proposals
  - o Action projects listed
  - o Need input from members at branch level
  - o Internal communication process discussed
  - o Funding to attend meetings
  - o Core project steps listed
  - o Needs increased membership participation.

Peter Fowles announced that this would be his last meeting as he and his wife are relocating to the USA in February 2016!!!

The Chairman expressed his sincere thanks to Peter for his support and input over the many years. He stated that Peter would be seriously missed, and wished him and his wife all the best for their future in the USA with their children and their families.

### 13. Reports from Government Departments / Terugvoering van Staats Departemente

#### 13.1 Department of Local Government / Departement van Plaaslike Owerhede

**Issues relating to solar PV (Dr Hildegard Fast - Energy Game Changer Lead : Dept. of the Premier / Jack Radmore, GreenCape)**

**(See presentation 13.1)**

- An invitation was addressed to municipalities to participate
- Goal statement, key performance indicators and targets discussed
- Support of use of gas is included as well as solar and PV
- How this will be rolled out was covered
- What needs to be in place for a PV connection – regulations and bylaws – need to be in place *(see documents referenced as 13-1A on AMEU website)*
- Important to have all above in place to stop consumers going off the grid. Cross subsidy of tariffs is vital for smaller consumers
- Enhanced uptake of solar water heaters needs to be driven
- Are the installation of solar water heaters for new and major buildings being enforced??
- What municipalities should be doing to promote roof top PV installations

Jack Radmore dealt with small scale embedded generation issues:

- Cost of PV is dropping
- Parity with Eskom grid prices should reach parity within 5 years
- Reasons for rules and regulations was debated – this includes municipal by-laws
- Guidelines from GreenCape are available
- Tariff principles were discussed
- What PV can and cannot do for a municipality
- The effect on municipal revenue – loss of sales
- Need effective tariff design for long term stability
- What municipalities should be trying to incentivise
- Key messages emphasised:
  - o Impact can be managed
  - o By-laws and regulations should be in place by July 2016

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

No report presented at this meeting



**14. COMPLIANCE / LEGISLATION**

None

**15. INCIDENTS / ACCIDENTS**

None

**16. PRESENTATIONS BY AFFILIATES / AANBIEDINGS DEUR GEAFFILIEERDES**

**16.1 “Siemens Reyrolle 7SR45 self powered protection relay for RMU’s and minisubs” – Marcel Kelly - WoodBeam  
(see presentation 16.1)**

- WoodBeam is a protection specialist company
- Self-powered supplied devices were presented
- The burden to the current transformers is higher than conventional relays
- Can operate in very harsh conditions
- Application were described 7SR45 relay presented with its characteristics
- RMS Australian relays presented – withdrawable cases and self-powered

**16.2 “Steps to a sustainable Utility – a different approach” - Andrew Evans - Pennwell  
(see presentation 16.2)**

- The history of Pennwell was given
- Objective to produce an event meets all the partner’s needs – especially the municipalities
- To equip all with information for future developments
- Potential challenges – a survey of the audience was undertaken on which to design an event that addresses the needs of all.

**16.3 “WEG Transformers” – André Mans - Weg Transformers Africa  
(see presentation 16.3)**

- Company overview given
- Services and equipment supplied explained
- Laboratory services are available to do oil analysis
- Field services are provided
- Provide in-house maintenance and repair services
- Detailed records are kept to monitor change in the conditions of equipment
- A plea was made to note the requirement for the level of local content in tenders as laid down by the Department of Trade and Industry
- Photos of their facilities were shown

**16.4 “Tomorrow’s Power Quality today!” – Willie van Wyk – CT Lab**

- Power quality management system – Vecto II presented – replaces Vectograph – 3 phase power quality analyser
- The need for synchronous data was explained
- The importance of synchrophasors was explained, especially as regards to renewable generation sources
- CT Lab has obtained BSI ISO 9001 certification
- Vecto II and Impedo Duo to replace the Impedograph, Vectograph and Provograph, but these older devices will still be supported
- Power quality portal promotion is being made available with all new instruments delivered
- New product from mid-2016 – Enterprise power quality data acquisition system – Osprey Pro
- Power quality hosting is available

- New financial option will be made available to use operational budget funds – based on a fixed monthly fee.

**17. ITEMS HELD OVER FOR DISCUSSION FROM 192<sup>nd</sup> GENERAL MEETING  
ITEMS WAT OORSTAAN VIR BESPREKING VAN 192<sup>ste</sup> ALGEMENE VERGADERING**

None

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

None

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

None

**20. GENERAL / ALGEMEEN**

**20.1 CFL roll out – Wayne Fortuin – Eskom**

- Need for the mass rollout of CFLs explained
- The electricity system constraints mentioned
- All municipalities will be targetted now except for Stellenbosch and CapeTown which will be deal with next year
- All incadescent lamps and old Eskom CLFs will be swapped
- Four contractors have been appointed to carry out the swops
- The start dates are the end of November 2015 and April 2016

**20.2 African Utility Week - “Industry Snapshot” – Evan Schiff – Event Director - Spintelligent**

- Description was given of Spintelligent, and Clarion on an international level
- Aims of market intelligence report was given
- Description given of the African Utility week structure, explaining the various tracks that will run at the conference
- The conference will take place in Cape Town from 17 to 19 May 2016

**21. SPONSORSHIP**

Gareth Smit thanked all the firms who had provided generous sponsorship for the meetings, and also thanked The Weskus School and its staff for all the facilities that were provided for the two days of meetings. He also thanked the Saldanha Bay Municipality, and all its staff for all the arrangements.

The Chairman endorsed these thanks, and thanked Peter Fowles for his dedicated contributions to keeping all members up to date on issues over many years and wished him and his wife well in their future life in the USA with the family.

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

- |      |                     |                                     |
|------|---------------------|-------------------------------------|
| 22.1 | 19 February 2016    | - Witsand (subject to confirmation) |
| 22.2 | 13 May 2016         | - Bellville, Cape Town              |
| 22.3 | 12 August 2016      | - Lamberts Bay                      |
| 22.4 | 10/11 November 2016 | - George                            |

**23. Closing of meeting by the Chairman**

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

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