

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

**GOOD HOPE BRANCH / GOEIE HOOP TAK**

**MINUTES OF THE 184<sup>th</sup> GENERAL MEETING OF THE AMEU AFFILIATES/GOOD HOPE BRANCH OF THE ASSOCIATION OF MUNICIPAL ELECTRICITY UTILITIES (SOUTHERN AFRICA) HELD AT THE KOEBERG POWER STATION VISITORS' CENTRE ON FRIDAY, 16 AUGUST 2013.**

**NOTULE VAN DIE 184<sup>de</sup> ALGEMENE VERGADERING VAN DIE VMEU-GEAFFILIEERDES/GOEIE HOOP-TAK VAN DIE VERENIGING VAN MUNISIPALE ELEKTRISITEITSONDERNEMINGS (SUIDELIKE AFRIKA) WAT OP VRYDAG, 16 AUGUSTUS 2013 BY KOEBERG KRAGSTASIE BESOEKERS SENTRUM GEHOU IS.**

**ATTENDANCE / BYWONING**

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

The Chairman opened the meeting, welcomed all to the meeting and introduced the Executive Councillor of the City of Cape Town, Cllr Ernest Sonnenberg, who addressed the meeting, after which the meeting was opened with a prayer.

### 1.2 **Arrangements/Reëlings**

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

### 1.3 **Acknowledgments/Bedankings**

The Chairman thanked Eskom for the use of the facilities, Jacques Visser for the arrangements, and the Affiliates for their sponsorship.

### 1.4 **Announcements/Aankondigings**

None

## 2. **APOLOGIES / VERSKONINGS**

PE Fowles (Peter)	- AMEU (pf15@mweb.co.za)
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**3. CHANGE OF ADDRESS / ADRESVERANDERING**

Willem Albertyn has moved to Bitou Municipality.

Deon Louw has moved from Overstrand Municipality to Drakenstein Municipality. It was agreed anonymously that Deon remain on the AMEU Executive Committee as the Good Hope Branch representative.

Theo Potgieter has moved to Lynus.

**4. CONFIRMATION OF THE MINUTES OF THE AMEU AFFILIATES / GOOD HOPE BRANCH'S 183<sup>rd</sup> GENERAL MEETING HELD AT THE PROTEA HOTEL, SALDAHNA BAY ON FRIDAY, 17 MAY 2013.**

**BEKRAGTIGING VAN DIE NOTULE VAN DIE VMEQ-GEAFFILIEERDES / GOEIE HOOP TAK, 183<sup>de</sup> ALGEMENE VERGADERING BY DIE PROTEA HOTEL SALDAHNA BAY, GEHOUD OP VRYDAG, 17 MEI 2013.**

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

4.2 Ivar Kilian, Itron, attended the meeting in Saldanha Bay but was not recorded in the list of those present.

4.2 The adoption of the minutes was proposed by Paul de Vries and duly seconded by William Olivier.

**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**

None

**7. CORRESPONDENCE / KORRESPONDENSIE**

None

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

**1. "Choosing the right LED streetlight for the job" – Murray Cronje – Beka  
(See presentation 8-1)**

- History of streetlight optics covered
- C-Gamma system
- Projection of light into the road to get optimum illumination
- Evolution of street optics explained
- Explanation of LED optics given
  - Various lenses available – many options available to suit all road conditions
- Retrofitting solutions given – replacement of existing lamps g. high pressure sodium
  - How to choose the correct LED streetlight for the job
  - Savings in voltage with use of LED's shown
  - Always compare lighting levels on the road!
  - Select the correct LED optics for the maximum saving
- Similar design exercise needs to be done for new installations
- White light output procedures better colour rendering which increases road safety
- LED's are instant on after power dips
- Long life - 15 to 25 years of no maintenance

## 2. “Transformer technologies & latest developments” – Markus Stolz - ABB

(See presentation 8-2)

- Market coverage and products
  - Transformers available – more efficiency, low noise levels, lower ownership cost (see website address on presentations)
- Customers need in various countries accommodates
  - no local manufacture yet
- Different types of transformers mentioned
- ABB’s technology platform explained – standards are applied worldwide for consistent quality
- Failure rates reduced by 50% over 10 years
- New developments – use of special steels gives lower losses, less energy, less green house emissions
  - use of new oil type – now toxic, higher flash point, refer operations under fault conditions (video shown!)
- Dry type transformers products presented
- Service organisation are locally located. Service operations explained
- Training Centre available in Johannesburg
  - Training programme is available
- Oil retrofits possible

## 9. REPORTS / VERSLAE

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

- **Overberg** - Salman Herbst reported on:  
Meeting held  
Discussed dips, tariffs (approved), procedures and standardisation, DoE application
- **Wynland** - No meeting was held during the period.
- **Eden** - No meeting was held during the period.
- **West Coast** - Nothing to report
- **Central Karoo** - Nothing to report

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

(See presentation 9-2)

Deon Louw highlighted the following:

- Highlights
  - Budget on track
  - Convention 2013 – special deals for platinum sponsors and 20 smallest municipalities
  - Boundary disputes covered
    - History has to be considered
  - Take-over of street lighting from Eskom. Service level agreement needed
  - SALGA EDI reforms
  - Caution given on 3 processes – see Legal & statutory committee slide
  - Registration of electrical contractors on-line will be possible from 1 September 2013
  - Certificate of Compliance unique numbering system being looked into
  - Department of Labour to relook at whole Occupational Health and Safety Act and General Machinery Regulation
  - Small scale embedded generation regulation needs to be developed
  - Note Constitutional Court ruling in Municipalities right to disconnect for non-payment of any service if there is a consolidated bill in place
  - National tariff structure – consolation still to happen – finalising consultation paper, due end August 2013
  - NERSA’s review of IBT – clear guidelines still needed from NERSA.

- Eskom MYPD3 process
- Government Certificate of Compliance course covered
- Section 56/57 minimum competency training discussed
- Infrastructure skills development grant
- Electrification in Western Cape needs to be evaluated
- Honorary member nominations for AMEU - do we have any?

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

Nothing to report.

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

Rens Bindeman reported:

- Branch developments to improve attendance
- Roadshows to be carried out
- Non-ferrous metal theft – reduction seen!
- Better policing happening
- Conference with Police to be arranged
- Training of Police being carried out using manuals developed by SARPA
- Standardisation NRS 055 update due  
NRS 080 pilot project in Ethekwini being done – Non technical losses

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

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

(See presentation 11-1)

- Explanation of operation of Western Cape Local Government given
- MISA (Municipal Infrastructure Support Agency) – Technical training of municipal officials, young professionals, mentoring towards ECSA registration, experimental learning, technical bursary
- Training programme presented
- MIG funding likely to end in 2015 but will be replaced by another system
- Network master planning in Western Cape presented
- MIG project approval process shown (new process)
- Technical report format discussed
- Sample application presented
- It was asked how can we register AMEU quarterly meetings for ECSA CPD points
- New Act on Qualifications / Requirements

**11.2 Department of Energy / Departement van Energie  
(Mhlangabezi Mzalisi)**

No report given.

**12. Update on Eskom's Integrated Demand Management programme  
(Lodine Redelinghuys) presented by Joe Coelho**

- "Beat the Peak" campaign slide shown (see presentation 12)
- Plea made to municipalities to spread the "Beat the Peak" campaign and to save electricity.

**13. COMPLIANCE / LEGISLATION**

None

**14. INCIDENTS / ACCIDENTS**

None

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

**3. “Outsourced power quality monitoring - a smart move” - Charl Marais – CT Lab S**

- Demonstration of power quality systems to analyse dips etc.
- NRS 048 dip diagram – ability to drill down to view details
- Tools that can be need in the analysis of performance network data

**Benchmarking of Power Quality Measurement**

Johan Rens – North West University

- Requirements of NERSA - PQ reporting
- What is NERSA doing with reports?
- Is it compulsory?
- Why should we report?
- NERSA expected to report on extent of compliance with national minimum standards and comparative performance of networks
- Power quality benchmarking is not a squeezed science
- Presentation of various dip statistics
- Innovation assessment of voltage magnitude explained
- Voltage should be “compatible”
- Benchmarking of all towns can be done
- Regulate should service the ESI
- There is no national benchmarking
- Proposal: should we not publish QoS performance for the Western Cape?

**4. “Optimising your field maintenance” – Wilhelm Herbs – Optron Technical Solution  
(See presentation 15-4)**

- Field maintenance :
  - previously was reactive triggered by constomer fault reports. Paper based systems
- Contractors doing work – what is the quality?
- How can this rather be handled?
  - Visualise your data – GIS based – geographically
  - Use google earth – google street view on which your data is presented
  - Organise your data in a database
  - Optimised work flows
    - Create works orders from web interface
    - Photos can be fed into system
    - Feedback from field to update status of job on system

**16. ITEMS HELD OVER FOR DISCUSSION FROM 183<sup>rd</sup> GENERAL MEETING  
ITEMS WAT OORSTAAN VIR BESPREKING VAN 183<sup>de</sup> 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**

Economically viable smart grids within municipalities – Bernard Bekker - Green Cape

(See presentation 19)

- Green Cape – who they are was explained
- Explanation of project given
- Where project is at present
- Acceleration of the development of smart grid standards
- DoE – SA Smart grid initiative
- Determine what smart systems are best to implement
- Focus on local content – what barriers are there?
- Overview of progress to date with the project
- Want to look at small and larger municipalities to implement pilot business cases
- Want to speak to local industries
- Look at “Smart Grid Journey”
- Explanation of standards – proprietary vs open – pros and cons of these
- Standards are still evolving
- Smart metering – a subset of smart grid
- Aligning functionality, policy and financial viability
- Standards to ensure interchangeability

**20. SPONSORSHIP**

Mr Visser thanked all the firms who had provided generous sponsorship for the meetings, and also thanked the Eskom for all the facilities that were provided for the meetings.

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

14/15 November 2013      Mossel Bay

The Chairman thanked all for attending and closed the meeting at 13:25.

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**CHAIRMAN**

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