



The Energy and Petroleum Regulatory Authority (EPRA) formerly Energy Regulatory Commission (ERC) is charged with the mandate of regulating among other things, energy efficiency and solar Photo-voltaic fields in the country. The Authority regulates the quality of services offered in the country through licensing.

The Association of Energy Professionals Eastern Africa (AEPEA) is a nonprofit professional society of over 277 individual members and 22 corporate members. It is the second local chapter of the Association of Energy Engineers (AEE), USA. One of the major goals of AEPEA is capacity building and continuous development of the professionals in the energy sector and promote professionalism.

In light of this, AEPEA and EPRA organized and conducted an experience sharing seminar for existing and potential licensees in the energy efficiency and solar Photo-voltaic fields. The sessions provided a platform for engaging on:

- The quality of audits and PV installations
- Report writing and presentation of energy saving measures during energy audits
- Existing standards for energy auditing and solar PV and
- General industry best practice

The seminars were conducted on 20th and 21st June at the Hilton hotel, Nairobi.



The first day of the workshop had 192 attendees and the second day attracted 196 professionals.

The Director-General, EPRA, in his opening address, spoke about the Authority's commitment to promoting Energy Efficiency and a called for partnership in the implementation of the Energy Act 2019.

In his opening remarks, The AEPEA Head of Capacity Building, Mr. Harness Mukhongo emphasized on the need to build professional capacity. He highlighted on the certifications that AEPEA offers and how they support the function of continuous

professional development.



Mr. Harness Mukhongo- Head of Capacity Building, AEPEA.

Mr. Chris Mbori, the AEPEA Vice- President noted the need for membership growth in the Association in order to help drive it's Vision and Mission. He urged non-members in the seminar to register and benefit from the Associations wide network of professionals.

Day 1: Energy Efficiency

The first day was set to discuss matters regarding Energy Efficiency. Renowned industry experts shared with the attendees their industry expertise in energy auditing protocols standards and procedures.

Topics discussed included:

1. Audit on cold rooms by Mr. Joseph Njuguna – Energy Advisory.
2. Power Quality and Energy Savings by Dr. Keren Kaberere – Sustainable Energy Initiative.

3. Compressed Air Systems by Eng. Patrick Kimari – Hesco Consulting Agencies.
4. Boilers and Steam systems by Eng. Lawrence Magerere – EMS consultants Limited.
5. Energy Audit report writing by Mr. Ahmed Ali Sayyid – Altair Systems Limited.



Dr. Keren Kaberere

Day 2: Solar Photovoltaic

The second day was set to discuss the Solar Photovoltaic systems; design, installation and financing of embedded generation systems and solar mini-grids and pumping systems.

The topics discussed included:

1. Design, installation and commissioning reports for embedded PV systems by Mr. Francis Romano and Team – Knights and Apps.
2. Financial Evaluation of Energy Projects by Harness Mukhongo – GreenWise Limited.
3. Design and Installation of mini-grid systems by Mr. Evans Magembe – Simply Branded Limited.
4. Solar water pumping by Mr. Paul Asikoyo – Rafiki Solar Limited.



Eng. Lawrence Mang'erere

Emerging Issues- Notable emerging issues arising from the two day seminar included:

1. There is considerable interest in the energy sector given the number of attendees with some having to be turned down due to overbooking.
2. Need for partnership with various partners in the implementation of the new Energy Act 2019.
3. Energy practitioners support in the ongoing assessment of the review of Energy Management regulations 2012.
4. Call for action for women empowerment to join the energy space.
5. Employment shift from full time to consultants and freelancers.
6. There is a need for continued professionalism from engineers in project implementation.
7. Renewable energy is an important energy source for our economy.
8. Address the quality of Solar PV equipment in the market.



Attendees at the Conference

Opportunities - Some of the opportunities that were identified include:

1. Partnerships with government, EPRA, AEPEA in sustainable energy development.
2. Professional certifications such as Certified Energy Manager (CEM), Certified Measurement & Verification Professional (CMVP), Certified Renewable Energy Professional (REP) offered by AEPEA.
3. Employment opportunities as Energy Managers with the new Energy Act 2019. Opportunities for & Energy Service Companies (ESCO).
4. Mini-grids development with upcoming 120 mini-grids.

In conclusion, the two day seminar was a success. The workshop is one among the many collaborations that EPRA and AEPEA will be doing.