



CONCEPT NOTE

REGIONAL TRAINING WORKSHOP on Energy Statistics, Residential Sector Energy Efficiency Data Collection and Initial Step towards the Creation of Energy Efficiency Database for Industrial Sector.

***1st - 03 October 2019
Johannesburg, South Africa***

INTRODUCTION:

The African Energy Commission (AFREC) is an organ of the African Union in charge of developing, coordinating and harmonizing the energy policies with an objective of protection, conservation, development, rational exploitation, commercialization and integration of energy resources on the African continent.

AFREC established an African Energy Information System and Database (AEIS) as instructed by the AFREC's Convention adopted by the 37th Summit of the OAU African Heads of States and Governments by the Decision AHG/Dec.167 (XXXVII) in 2001 which stipulated to "Design, create and update an energy continental data base and facilitate rapid dissemination of information and exchange of information among Member States, Regional Economic Communities (RECs) as well as among the others. To create such a comprehensive system AFREC started to build it through the creation of a series of energy databases of which the "African Energy Statistics Database" (AESD). AESD has started to be developed since 2012 and data are published annually since then.

In 2017, AFREC launched the creation of the African Energy Efficiency Indicators Database for Residential Sector and a first publication on these indicators is planned for March 2019. However, despite a first year of training on the questionnaire in 2018, there are still many countries who have not submitted their questionnaire. So the need and the urgency to have all countries fully reporting in 2019.

In doing so, the African Ministers of Energy appointed energy statisticians in their Ministries to fill the role of National Focal Points for data collection and submission to AFREC. In return, AFREC and its partners provide them training, guidance and capacity building to improve their capacities in collecting reliable and good data, and in processing and validating data, as well for transmitting the collected indicators data.

OBJECTIVE:

AFREC is planning in 2019 to organize four (04) Regional Training Workshops that will focus on the following objectives:

- ✓ The course on Energy Statistics will offer hands-on training on the AFREC methodology and tools for collecting and organizing national-level energy data by different fuels and sectors of the economy. It will focus on the use of basic energy data to build complete and accurate energy balances through the use of consistent definitions and units in order to inform national energy policy makers and enable consistent regional and international reporting. Once again, the existing AFREC questionnaire will be the basis for this course.

In 2019, the course will also include a module on Energy Prices and Taxes data. Indeed, Energy and Prices are key to any robust national energy policy, so the importance to also have a focus on Prices and on Taxes.

- ✓ The course on Energy Efficiency will cover the main energy end-uses in the Residential Sector as selected by the National Focal Points in 2017. It will provide training and guidance to the AFREC's National Focal Points on how to collect, validate and transmit the collected indicators data in a way compatible

with international common practices in the Residential Sector. The course will make extensive use of both the AFREC energy efficiency questionnaire on the residential sector and its complement, the Educative Tool. **It is well understood that at the end of each workshop, all the participant countries will all have completed the AFREC questionnaire on energy efficiency in the residential sector.** This will allow AFREC to build by end 2019 a comprehensive African database on energy efficiency indicators in the residential sector.

- ✓ Last but not least, the workshops will also try to identify the most suitable Energy Efficiency Indicators related to the Industry Sector for Africa. Based on these indicators, the workshops will also start working on a questionnaire for collecting the data necessary to these Energy Efficiency Data Indicators.

TARGET GROUPS:

The participants will be:

- The AFREC's Focal Points on Energy Statistics (Energy Balance) and the Focal Points on Energy Efficiency that was nominated by the African Ministries in-charge of Energy;
- Regional Power Pool (RPPs);
- Regional Center on Renewable Energy and Energy Efficiency;
- Community Economics Region (RECs),
- Other Regional African Organizations working on energy and cooperating with AFREC.

TRAINING REQUIREMENTS:

All AFREC's Focal Points are expected to collect data (on Energy Balance and Energy Efficiency in Residential Sector) of their countries of the last 2 years (2016-2017) using the interactive questionnaires of AFREC. **This requirement is mandatory for participation** as the data will be used during the training and for setting up the annually Energy Statistics and Database.

In addition to the data collection, participation are encouraged to collect and submit the following:

- General summary description of the current situation of the energy database in the country including fresh and up-dated information about the situation of each energy sub-sector (biomass, hydrocarbons, electricity, oil, etc...).
- Any publications, reports, papers, magazines photos of the Energy Sector. This is required to support the AFREC's Office library in which each African Country will be having a private section.

OUTCOME:

The expected outcome of the workshop would include:

- A strengthening of the understanding and importance of energy statistics based on exercises on fuel types and construction of national energy balances,
- The launch of an African Energy Prices and Taxes Questionnaire and Database,

- An enhancement of the capacity of the African National Focal Points on Energy Efficiency and Indicators data collection in the Residential Sector,
- **The entire completion of the AFREC questionnaire on energy efficiency in the residential sector by all countries before they leave the workshop,**
- The launch of an AFREC Energy Efficiency Questionnaire related to the Industrial Sector,
- A comprehensive understanding of the present situation of Energy Information System in the Africa and the need for coordination and harmonization of activities between various regional and international institutions,
- A better understanding of the close links between the need for more good and reliable detailed data and policy making,
- An overall improvement of the understanding of the higher decision makers in African Member States about the importance of Energy Efficiency and its impact on the socio-economic development of their Countries.

PROGRAM LANGUAGES:

Presentations during the Workshop will be in English or French depending on the Regions. Simultaneous interpretation will be provided in English or French.

ACCOMMODATION AND LOGISTICS:

AFREC will support the participation of the Focal Points of the African Union Member States by covering the participation cost (Air Tickets and DSA).

PROGRAMME

TITLE OF THE TRAINING	NUMBER OF DAYS	PERIOD	VENUE
1st Regional Training Workshop for Western & Northern Francophone countries on Energy Statistics and Residential Sector Energy Efficiency Data Collection and Creation of African Industrial Sector Energy Efficiency Database.	03	19 to 21 March 2019	Abidjan COTE D'IVOIRE
2nd Regional Training Workshop for Central Countries on Energy Statistics and Residential Sector Energy Efficiency Data Collection and Creation of African Industrial Sector Energy Efficiency Database.	03	30 Apr to 02 May 2019	Douala CAMEROON
3th Regional Training Workshop for Southern Countries on Energy Statistics and Residential Sector Energy Efficiency Data Collection and Creation of African Industrial Sector Energy Efficiency Database	03	1st to 03 October 2019	Johannesburg SOUTH AFRICA
4th Regional Training Workshop for Eastern and Northern Anglophone Countries on Energy Statistics and Residential Sector Energy Efficiency Data Collection and Creation of African Industrial Sector Energy Efficiency Database.	03	29 to 31 October 2019	Nairobi KENYA