



AFRICAN ENERGY COMMISSION (AFREC)



SUMMARY REPORT OF 3rd REGIONAL TRAINING WORKSHOP On

Energy Statistics and Energy Efficiency Residential Sector Data Collection

23 to 25 October 2018 Libreville, Gabon

Introduction :

The African Energy Commission (AFREC) in association with the International Energy Agency (IEA) and the Ministry of Water and Energy of Gabon, organized the Third Regional Training Workshop On Energy Statistics and Energy Efficiency Residential Sector Data Collection.

The workshop was held from 23 to 25 October 2018 at the Boulevard Hotel in Libreville, Gabon.

The African Energy Commission has developed in 2017 a questionnaire data collection on Energy Efficiency residential sector for Africa. The data collection questionnaire has been validated by AFREC, IEA and Focal Points during four AFREC workshops and the questionnaire is now available in French and English versions. This questionnaire is subject to improvement in the year 2018.

The main program of AFREC in 2018 is twofold : On the one hand, to train the Focal Points of Energy Efficiency in the use of this questionnaire and collecting data from the residential sector; and on the other hand, strengthen the capacity of Focal Points for Energy Statistics to data collection and the use of these particular data for building the National Energy Balance as well as for calculating CO₂ emissions.

As an extension of the implementation of AFREC program on Energy Efficiency and Energy Statistics, a series of training workshops on the Residential Energy Efficiency Questionnaire and building the National Energy Balance with calculation of CO₂ emissions will take place in 2018; as a follow-up to Algiers workshop (27-29 March 2018), Cairo (24-26 April 2018) and Libreville (23-25 October 2018),

AFREC will organize the last Workshop in Johannesburg, South Africa from 27 to 29 November 2018.

Objectives:

The main objectives of the workshop were:

- Strengthen the training of Energy Statistics Focal Points in the collection of energy statistics data and construction of the National Energy Balance as well as the preparation of carbon dioxide (CO₂) emission estimates from energy balance data;
- Train the Focal Points of Energy Efficiency to use the AFREC questionnaire as well as the collection of Energy Efficiency data for the residential sector as well as the calculation of relevant indicators of Energy Intensity and Energy Efficiency.

Participants:

Present

- Twenty (20) Focal Points from Ministries in Charge of Energy of African Member Countries;
- One (1) International Consultant of AFREC;
- Two (2) Experts from the International Energy Agency (IEA);
- Three (3) Experts from the organizations (CEMAC, CEEAC and PEAC);
- Five (5) National Experts from the Gabonese Ministry of Water and Energy;
- Three (3) AFREC Staff Members;
 - Mr. Abdoulaye OUEDDO, Consultant, Energy Information System and DB;
 - Mr. NNA NDONG OLUI Nicaise, Administrative and Financial Manager;
 - Mrs. Gacem Halima, Secretary;

Absent

One (1) Focal Points:

- Mr. STEVEN Bihinda from Rwanda.

Confer the list of participants on Page 7.

Opening Ceremony and Training Sessions

Four speeches were delivered at the opening.

The representative the Executive Director of the African Energy Commission (AFREC), Mr. Abdoulaye OUEDDO, Consultant on Energy Information System and Database thanks the government of Republic of Gabon and the Ministry of water and Energy for hosting this regional training workshop.

Mr. Abdoulaye OUEDDO, highlighted the objective of the workshop :

- Train Energy Efficiency Focal Points for African data collection of energy efficiency indicators for the residential sector;
- Strengthen the capacity of the Energy Statistics Focal Points to collect data and the construction of the National Energy Balance with a focus on calculating CO2 emissions.

Mr. Abdoulaye wished that at the end of the training workshop, the FPs should be able to:

- All participants can master the data collection questionnaires.
- Follow-up recommendations are made to improve the Energy Efficiency "Residential" Questionnaire.

Mr. Jean Yves GARNIER, International Energy Consultant of AFREC congratulated AFREC for the work achieved since its establishment. In 10 years, AFREC has managed to fill the African vacuum in terms of energy balance at the country, sub-regional and continental level.

Mr. Jean Yves GARNIER added that having an energy balance was not enough to build meaningful energy efficiency indicators. At a time when many African countries are embarking on important energy efficiency programs, he urged countries and Focal Points to give priority to detailed energy statistics for building meaningful indicators.

Mr. Julian Prime, head of Delegation from International Energy Agency (IEA), thanked AFREC and the Government of Gabon for hosting this workshop. He reaffirmed the commitment of IEA to continue its longstanding cooperation with AFREC on Energy Statistics, and to extend this cooperation to improve energy efficiency statistics. He emphasized the importance of good and reliable data which will enhance policy development in countries, and improve knowledge and understanding within the International Energy community.

Mr. Prime highlighted that Africa is one of the most important regions for energy development and one that the IEA prioritizes for Data capacity building. He drew attention to the collaboration between agencies responsible for energy efficiency and energy statistics, pointing out that this workshop offered a fantastic opportunity to strengthen these ties, through knowledge sharing and problem solving.

H.E. Mr. Patrick EYOGO EDZANG says that it is with great pleasure that he proceed this morning, at the solemn opening of the Regional Training Workshop on "Data Collection of Energy Statistics and Energy Efficiency of the Residential Sector" to the benefit to the AFREC's National Focal Points of the central region.

He would especially like to thank, very sincerely, AFREC and IEA for their technical and financial support for the organization of this training workshop.

He highlight that most African countries are characterized by a lack of capacity to produce a good statistics and use them to formulate evidence-based policies. This creates difficulties in monitoring the implementation of socio-economic and cultural development projects and programs

H.E. Mr. Patrick EYOGO EDZANG stressed that the African Charter on Statistics adopted by the 12th Ordinary Session of the Assembly of Heads of State and Government of the African Union held in Addis Ababa, Ethiopia on 3 February 2009, calls on African policymakers to make statistics, the basis for any formulation, monitoring and evaluation of policies.

Finally, He invite all participant to participate actively and quality in the different sessions to achieve the main expected results and he open the workshop.

A group photo followed the opening ceremony.

The workshop continued through 13 sessions under the supervision of AFREC staff.

Confer the Workshop Agenda on page 5.

Recommendations

Participants made constructive recommendations to improve the data collection process to feed and to sustain the African Energy Information System (AEIS).

These include:

- 1) Develop a multi-year roadmap for data collection by demonstrating the importance of reliable indicators for developing good energy policy;
- 2) Establish a National Cooperation / Synergy Framework for Energy Statistics Strengthen the capacities of production units for collecting and processing data;
- 3) Finance data collection activities;
- 4) Sensitize the decision makers on the interest of the Energy Efficiency, as well as that of the collection of the data necessary for the elaboration of relevant indicators of efficiency, beginning with the residential sector;
- 5) Establishment of statistical offices in the ministries to adapt the collection to the needs;

- 6) Allocation of a budget dedicated to the production of statistics and the training of statisticians;
- 7) Strengthen the statistical capacity of operators in the energy field;
- 8) Finance energy projects;
- 9) Other more specific recommendations were also mentioned.

At the end of a roundtable, the Focal Points for Energy Statistics have engaged to send to AFREC the energy balance questionnaire for the last year as well as the missing historical data. Similarly, from the experience gained during the Workshop on Energy Efficiency, the Focal Points have engaged also to send to AFREC the completed questionnaire on residential sector data for year 2015 and 2016.1 years.

AFREC therefore expects from its focal points, these different questionnaires and then begin the data validation and processing process.

Photo



Work Program

Shedule	Activities
1st Day: 23 October 2018	
08:00 - 09:00	REGISTRATION
09:00 – 09:30	<p>Opening session:</p> <ul style="list-style-type: none"> • Mr.Atef MARZOUK Interim Executive Director of AFREC; • Representative of the International Energy Agency; • Minister of Water and Energy of Gabon ; • Group Photo
09:30-09:45	COFFEE BREAK
09:45-11:30	<p>Session 1 : Overview of the State of Energy Data Collection on Energy Statistics Country Presentations (Objective: Evaluation of the current situation of the collection of the data by the national focal points)</p> <ul style="list-style-type: none"> • Introduction and summary : Mr.Abdoulaye OUEDDO (AFREC) • Country presentations : <i>Central Africa R., Gabon, Chad, D. R. of Congo, Sudan.</i> • Discussion
11:30-13:00	<p>Session 2: Training Course I: Fundamentals of Energy Statistics (Objective: understand the importance of energy statistics, why and how collecting energy statistics. Main statistics principles concepts and definitions) (IEA)</p> <ul style="list-style-type: none"> • Presentation and practical exercises
13:00 -14:00	LUNCH
14:00-14:30	<p>Course II : Broad overview of Oil,Coal, Electricity and Renewable Statistics through the analysis of the revised AFREC questionnaire (Objective: understand the structure, flows and products covered by the questionnaires (IEA)</p> <ul style="list-style-type: none"> • Presentation <p>Session 3 : Training Course III: Reading and Building energy balances: Why needs for energy balance and how to build one? Benefits of energy balances; main principles used to develop an energy balance. How to develop the energy balance from fuel questionnaires. (Objective: understand the importance of energy balance and develop an energy balance) (IEA).</p> <ul style="list-style-type: none"> • Presentation and practical exercises: understanding the energy balance.
15:30 - 15:45	COFFEE BREAK
15:45 – 16:30	<p>Session 4 : Using the energy balance for preparing general energy indicators – What indicators can be derived from the current database: use and limits.(JYG)</p> <ul style="list-style-type: none"> • Presentation <p>Session 5 : Training Course IV : Using the energy balance for preparing estimates of carbon dioxide (CO2) emissions from fuel combustion (IEA)</p> <ul style="list-style-type: none"> • Presentation
2nd Day : 24 October 2018	
08:30 – 10:30	<p>Session 6 : The importance of energy efficiency, energy efficiency policies and energy efficiency indicators</p> <ul style="list-style-type: none"> • Indicators to track energy efficiency for policy and development.IEA • Prioritizing the choice of indicators for Africa. The road from Gabon.JYG • Presentations and Questions & Comments

	<p>Session 7 : Introduction to International Energy Efficiency Questionnaires (example of the IAE) and overall presentation of the AFREC Energy Efficiency questionnaire Why and how collecting energy Efficiency data on the residential sector. IEA Overall Presentation of the AFREC Energy Efficiency Questionnaire. JYG</p> <ul style="list-style-type: none"> • Presentations
10:30 – 10:45	COFFE BREAK
10:45 – 13:00	<p>Session 8 : Overview of the State of Energy Data Collection on Energy Efficiency : Country Presentations (Objective : Evaluation of the current situation of the collection of the data by the national focal points)</p> <ul style="list-style-type: none"> • Introduction and summary : Mr.Abboulaye OUEDDO (AFREC) • Country presentations: <i>Congo, Cameroon, Central Africa R., Gabon, Niger, Chad, Sao Tome & Principe, E. Guinea .E, Somalia, Guinea Bissau, Togo</i> • Discussion (with tour de table to get all countries feedback)
13:00 – 14:00	LUNCH
14:00 – 15:30	<p>Session 9 : Training Training on the AFREC energy efficiency questionnaire Course V : Overall Qualitative Data, Activity Data through the analysis of the revised AFREC questionnaire (Get feedback from countries on progress on qualitative data)JYG,IEA Group discussion</p>
15:30 – 15:45	COFFEE BREAK
15:45 – 16:15	<p>Course VI : Biofuels, Electricity and Fossil fuels tabs through the analysis of the revised AFREC questionnaire (Get feedback from countries on progress on fuels data) JYG, IEA</p>
16:15 – 17:00	<p>Session 10: Training Educative tool: Understanding the relation between the questionnaire data (try to fill the educative tool based on data available)</p> <ul style="list-style-type: none"> - Country working time
3rd Day : 25 October 2018	
08:30 – 09:15	<p>Session 10: Training (continued) Educative tool: Understanding the relation between the questionnaire data (continued)</p>
09:15- 09:30	<p>Session 11: Training Course VII : The energy efficiency indicators through the analysis of the revised AFREC questionnaire (Objective: presentation of the revised indicators and the additional graphs sheet) JYG</p> <ul style="list-style-type: none"> • Presentation
09:30 – 10:30	<p>Session 12 : Brainstorming on action plan to collect the data for the questionnaire</p> <ul style="list-style-type: none"> • Participants are split in ¾ working groups, with an elected rapporteur to report back to the plenary • Each group brainstorms on what needs to be done at country level to complete the residential energy efficiency questionnaire – 3 key questions provided
10:30 – 10:45	COFFE BREAK

10:45 – 11:15	Session 12: Brainstorming on action plan to collect the data for the questionnaire (continued) <ul style="list-style-type: none"> Report from the rapporteur to the plenary
11:15 – 11:45	Session 13: What work can we do next? Reporting energy efficiency data from countries to AFREC <ul style="list-style-type: none"> Discussion on sector priorities Frequency and timetable to report energy efficiency questionnaire to AFREC Open discussion
11:45 – 12:45	Closing Session: <ul style="list-style-type: none"> Next steps for AFREC Graduations <p>Closing remarks</p>
12:45 – 14:00	LUNCH
	DEPARTURE

Participants List

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Done at Libreville, 26-10-2018

AFREC