

UNDA project, on “Up-scaling Energy Efficiency in the residential and services sectors in the Arab Region”



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Launching of the baseline mapping study of the energy use situation in the buildings sector in Jordan

National Seminar, 5 Mars 2019 – Amman – Jordan



MINISTRY OF ENERGY AND MINERAL RESOURCES
THE HASHEMITE KINGDOM OF JORDAN

Economic And Social Commission For Western Asia



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Overview of the UNDA project and the objectives of the baseline mapping methodology

Introduction of the ESCWA UNDA project on “Up-scaling EE in the residential and services sectors in the Arab Region”

Objectives:

- substantially enhance the capacity of Arab countries in improving and optimizing energy efficiency in the building sector
- Induce a change of scale in the implementation of energy efficiency programs in the existing residential and non-residential building stock.

Introduction of the ESCWA UNDA project on “Up-scaling EE in the residential and services sectors in the Arab Region”

Axes of intervention:

- Develop a comprehensive baseline mapping study to provide the reference situation/ baseline parameters, for developing EE programs
- Develop short, medium & long-term strategies/ appropriate EE policies for the residential and services sectors, to be used as frameworks for the implementation of large scale EE programs.
- Initiate & enact, or reinforce existing, household and other equipment energy labelling systems and Minimum Energy Performance Standards (MEPS).
- Produce guidelines and trainings material in support of improving energy performance in the building sector
- Set up effective large-scale implementation schemes for dissemination of higher EE equipment & appliances, as well as improving the thermal performance of existing buildings, involving private and public resources,

Introduction of the baseline mapping study of the energy use situation in the buildings sector in Jordan

Achieve a better understanding of where and how energy is consumed in the buildings sector:

- ✓ Identify EE opportunities and capacity building needs
- ✓ Develop indicators for monitoring consumption and energy performance
- ✓ Predict how the energy consumption of the sector would be evolving in the case of a Baseline scenario
- ✓ Establish scenarios of the evolution of the energy consumption of the sector in case of implementation of EE programs

Introduction of the baseline mapping study of the energy use situation in the buildings sector in Jordan

Main elements of the baseline study:

- ✓ Identification of key stakeholders in the residential and services sectors
- ✓ **Current state of energy consumption in the residential and services sectors and preliminary assessment of their share of the overall national energy consumption**
- ✓ **Socio-economic/ energy characterization of the existing building stock, by branch of activities: Estimation of the existing building stock in each branch and the projected evolution of this park until 2030**
- ✓ Assessment of existing EE policies and programs (building energy performance codes, energy labeling standards, MEPS, etc.), knowhow and capacities in the country, as well as potential local financing tools.

Introduction of the baseline mapping study of the energy use situation in the buildings sector in Jordan

Main elements of the baseline study:

- ✓ Identification of possible institutional options to insure the implementation of the project within each member country, including the development of Super ESCO structures
- ✓ Assessment of the energy pricing tariffs that are in place, and their eventual deviation from “real” energy prices (existing of subsidies, special pricing schedules, etc.) and their impacts on the implementation of EE measures
- ✓ Comparative review of existing energy policies and strategies best practices in selected countries in order to identify key policy gaps and/or barriers.
- ✓ Assessment of energy efficiency potential in the residential and services sectors by branch of activities and type of buildings

Introduction of the agenda of the seminar

3 parts:

- ✓ **Session 1 : Introduction and project overview**
- ✓ **Session 2 : Baseline mapping of the residential sector**
- ✓ **Session 3&4 : Baseline mapping of the services sector**

Introduction of the agenda of the seminar

Session 1 : Introduction and project overview

Opening Remarks & Introduction

*Mr. Mustafa Al Khatib, Ministry of Energy and Mineral Resources (MEMR)
& Ms. Radia Sedaoui, ESCWA*

Overview of the UNDA project and the objectives of the baseline mapping methodology

Mr. Mongi Bida, ESCWA

Overview of previous baseline mapping studies of the energy use situation in the buildings sector conducted in Jordan: Achievements and gaps

Mr. Muhieddin Mahmoud Tawalbeh, Royal Scientific Society (RSS) / National Energy Research Center (NERC)

Introduction of the agenda of the seminar

Session 2: Baseline mapping of the residential sector

Facilitators: Mr. Rasmi Hamzeh, JREEEF & Ms. Radia Sedaoui, ESCWA

Proposed UNDA baseline mapping methodology for the residential sector

Mr. Adel Mourtada, ESCWA Consultant

Presentation of surveys / censuses made by the Jordan Department of Statistics (DOS) in relation to housing,

Mr. Mohammad AlAffas, Jordan Department of Statistics

Presentation of other surveys made in Jordan involving energy consumption in the building sector

Mr. Abdel Motaleb Al Nugrush, MEMR Statistics and information Department

Open discussion regarding the baseline mapping of the residential sector

Introduction of the agenda of the seminar

Session 3: Baseline mapping of the services sector (part I)

Facilitators: Ms. Ala'a Abdullah, Jordan Green Building Council / Mr. Mongi Bida, ESCWA

Main speaker: Mr. Adel Mourtada, ESCWA Consultant

Proposed UNDA baseline mapping methodology for office buildings

Proposed UNDA baseline mapping methodology for retail stores and similar buildings

Proposed UNDA baseline mapping methodology for hotels and similar buildings

Proposed UNDA baseline mapping methodology for health facilities

Introduction of the agenda of the seminar

Session 4 : Baseline mapping of the services sector (part II)

Facilitators : Mr. Mustafa Al Khatib, MEMR / Mr. Mongi Bida, ESCWA

Main speaker: *Mr. Adel Mourtada, ESCWA Consultant*

Proposed UNDA baseline mapping methodology for educational and teaching facilities

Proposed UNDA baseline mapping methodology for other types of buildings in the tertiary sector

Open discussion regarding the baseline mapping of the services sector

Closing remarks (MEMR & ESCWA)

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THANK YOU FOR YOUR ATTENTION

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Energy Section

Sustainable Development Policies Division (SDPD)

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