

The National Energy Efficiency and Renewable Energy Action (NEEREA):

Example from Lebanon as RCREEE member state

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02 February, 2012

ESCWA Workshop on «Scaling up the use of Renewable Energy in rural areas
in ESCWA Member Countries»

February 1-2, 2012

The NEEAP of Lebanon

Stimulators:

- Was called upon in the first point of the strategic initiative 6 of the “Policy Paper for the Electricity Sector”, announced by the Ministry of Energy and Water (MEW) on July 21, 2010
- Developed in accordance with the different points mentioned in the declaration of the Lebanese Government relating to energy efficiency and renewable energy, namely the set strategic target of 12% renewable energy by 2020

من محضر جلسة مجلس الوزراء

الواقع في : ٢٠١١/١١/١٠

يوم : الخميس

المنعقدة في : السراي الكبير

الموضوع : طلب وزارة الطاقة والمياه الموافقة على الخطة الوطنية لكفاءة الطاقة

المستندات :

- قرار مجلس الوزراء رقم ١ تاريخ ٢٠١٠/٦/٢١ (الموافقة على ورقة سياسة قطاع الكهرباء) ورقم ٣ تاريخ ٢٠١١/١٠/١١ (تأجيل البحث بالخطة الوطنية لكفاءة الطاقة)
- كتاب وزارة الطاقة والمياه رقم ٣٠١٦/١٠ تاريخ ٢٠١١/٦/١٠ ومرفقاته ،

قرار المجلس :

اطلع مجلس الوزراء على المستندات المتكورة اعلاه ،

وقد تبين منها انه سبق لمجلس الوزراء ان وافق بقراره رقم ١ تاريخ ٢٠١٠/٦/٢١ على

قرر المجلس الموافقة على الخطة الوطنية لكفاءة الطاقة وعلى تكليف الوزير متابعة تنفيذ هذه

الخطة
4

أمين عام مجلس الوزراء

سهيل بوجي

The NEEAP of Lebanon

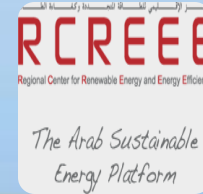
Developed by



Adopted by



Supported by



The NEEAP of Lebanon

The initiatives:

1. Banning the Import of Incandescent Lamps to Lebanon
2. Adoption of Energy Conservation Law and Institutionalization of the LCEC
3. Promotion of PV and Wind Applications in the Residential and Commercial Sectors
4. Solar Water Heaters for Buildings and Institutions
5. Design and implementation of a national strategy for efficient public street lighting
6. Electricity Generation from Wind Power
7. Electricity Generation from Solar Energy
8. Hydro Power for Electricity Generation
9. Geothermal, Waste to Energy, and Other Technologies
10. Building Code for Lebanon
11. Financing Mechanisms and Incentives
12. Awareness and Capacity Building
13. Paving the Way for Energy Audit and ESCO Business
14. Promotion of Energy Efficient Equipment.

The UNDP Financing

Solar Water Heaters for Buildings and Institutions

*This initiative aims at promoting the use of solar water heaters mainly in the residential sector with the aim to facilitate the installation of **190,000 m² of solar collectors by 2014**. This can be achieved through different actions including proper financial and technical schemes.*



The UNDP Financing

The CEDRO Project

CEDRO is an energy efficiency and renewable energy demonstration project managed by the United Nations Development Programme (UNDP) in collaboration with the Ministry of Energy and Water, the Ministry of Finance and the Council for Development and Reconstruction. The CEDRO project is funded by the Lebanon Recovery Fund by means of a grant from Spain.

Budget: \$9.73 M



The MEW Financing

MEW proposed using 9.08 Million USD to implement three initiatives in energy conservation:

- 7 Million USD to implement the 3 Million Compact Fluorescent Lamps (CFL) project;
- 1.5 Million USD to offer subsidies on Solar Water Heaters (SWH);
- 0.58 Million USD to implement a national O&M plan on public street lighting;

The plan was approved by the Council of Ministers (Decision No. 59) during the session of March 10, 2010.

National Energy Efficiency and Renewable Energy Action



The NEEREA

Financing Mechanisms and Incentives

*This initiative aims to provide **proper financing mechanism** in order to promote the use of energy efficiency and renewable energy. This is mainly linked to the collaborative work with the Ministry of Finance and the Central Bank of Lebanon.*



The NEEREA

Financing Mechanisms and Incentives

Achievements



The BDL & LCEC launch the NEEREA



LCEC conducts training workshops for Banks



LCEC is reviewing applications

The NEEREA

Financing Mechanisms and Incentives

Next Steps

- Keep coordinating the National Energy Efficiency and Renewable Energy Action (NEEREA) in 2011 aiming to leverage 100 Million USD until 2015.
- Provide a clear procedure for all **carbon reducing projects** (even to households) to sell their carbon credits.
- Explore the **potential for new lines** of credit to be used for the financing of energy efficiency and renewable energy projects.



The Financing Possibilities



Expressing interest in implementing an Environmental project



Design of project & submittal of technical offer



Preparation of feasibility study



Submittal of proposal (technical and feasibility) to commercial bank

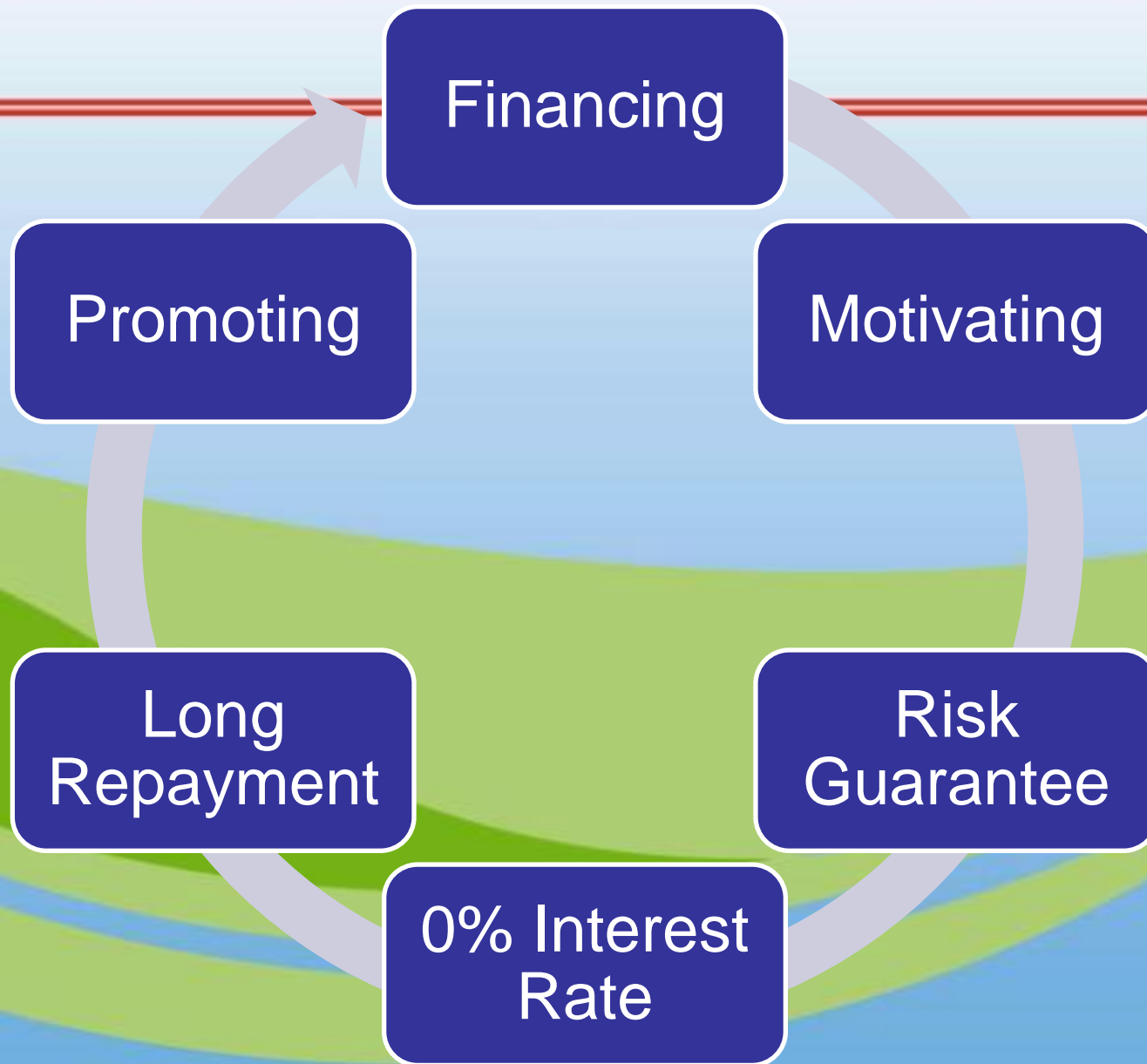


Send application to Central Bank of Lebanon



The Financing Possibilities





MOU: BDL and UNDP

EU Grant to BDL

Circular No. 197

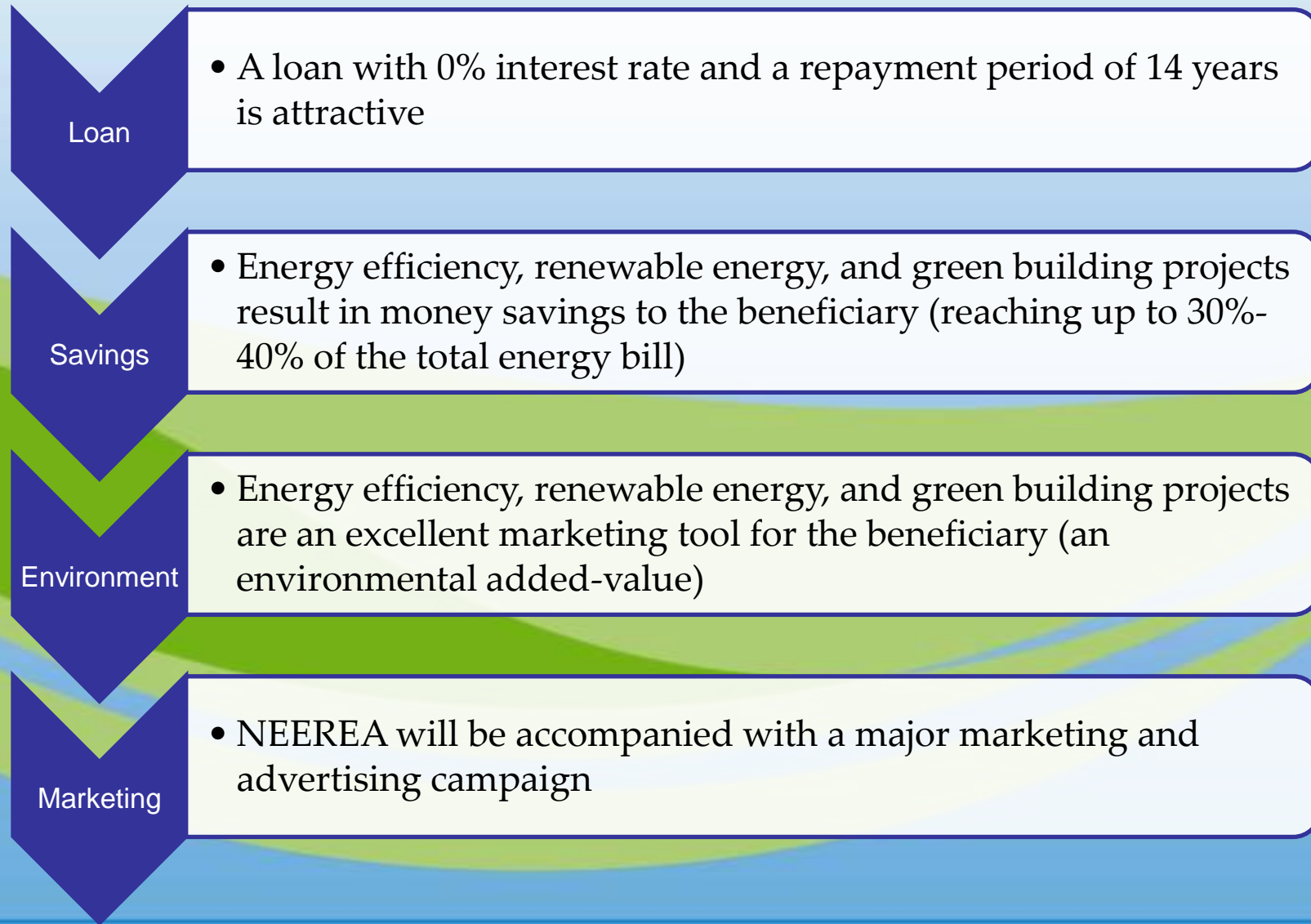
Patronage of the Ministry
of Energy and Water

NEEREA

Circular No. 236

Issued on November 25,
2010

Why Would NEEREA Work?



Benefits

- Direct money savings to beneficiaries
- Direct money savings to the EDL
- Direct environmental benefits to Lebanon
- Creation of new jobs in the business
- Creation of a new market

Who Can Benefit?

TYPE

- House, residential building
- Hospital, hotel, commercial office, mall
- Industrial plant

PHASE

- New facility (design/ construction phase)
- Existing facility

SYSTEMS

- Energy efficiency: lighting, motors, heating, cooling
- Renewable energy: solar, wind, hydro, geothermal

Role of LCEC, and its Concern

- Technical review of the projects
- National database for suppliers, systems
- Compile similar projects
- Create a success story, to attract future grants

As the national energy agency for Lebanon, the concern of the LCEC is to reach the national targets set by the Lebanese Government and approved by the Ministry of Energy and Water in terms of energy efficiency (5% reduction by 2015) and renewable energy (12% by 2020) and to prove that Lebanon did achieve those targets

Thank You!



www.lcecp.org.lb