



# American University of Beirut – AUB - (Lebanon)

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# CASE STUDY 1

## *NEEAP 2011-2015 -- National Energy Efficiency Action Plan For Lebanon*

*NEEAP is an action plan that supports the Government of Lebanon to develop and implement national strategies that promote the development of efficient and rational uses of energy and the use of renewable energy at the consumer level.*

*NEEAP can be considered integrated in some aspects regarding multiple (sustainable) energy sources, pricing, efficiently linking between the source and the use, at the national scale. However, the plan lacks the spatial component and does not include land use and landscape.*

# CASE STUDY 1

*NEEAP includes 14 independent but correlated activities in the energy efficiency and renewable energy sectors. Each initiative has its own implementing agency, financial mechanism, and target and stakeholders groups. Some of the initiatives are:*

- *Initiative 2: Adoption of the Energy Conservation Law and Institutionalization of the LCEC as the National Energy Agency for Lebanon*
- *Initiative 3: Promotion of Decentralized Power Generation by PV & Wind Applications*
- *Initiative 5: Design and implementation of a national strategy for efficient and economic public street lighting*
- *Initiatives 6, 7 & 8: Electricity Generation from Wind Power , Solar Energy and Water*
- *Initiative 9: Geothermal, Waste to Energy, and Other Technologies*
- *Initiative 10: Building Code for Lebanon*

## CASE STUDY 2

*CEDRO - Country Energy Efficiency and Renewable Energy Demonstration Project for the Recovery of Lebanon*

*The project's aim is to complement Lebanon's national power sector reform strategy as well as the greening of Lebanon's recovery, reconstruction and reform activities.*

*CEDRO works on raising awareness, building capacities, and creating market incentives for energy efficiency and RE, in addition to studies and activities for development in Lebanon.*

*It has assisted the Lebanese Government to set the 12% target of renewable energy power within the energy mix by 2020. It has realized national studies concerning the following renewable energy sources: Wind, Solar, Geothermal and Biomass.*

*CEDRO has also implemented renewable energy applications nation-wide, ranging from photovoltaic (PV) and micro wind systems, to large-scale building sites solar hot water (SHW), pico-hydro, solar street lighting, and ground source heat pump projects.*

# Example of the Biomass Briquettes

*Bioenergy application (for heating) from forestry residues*

- *Forest Inventory and Sustainable Forest Management Plan*
- *Briquette process and stoves*
- *Capacity building and awareness*
- *Targeting refugee host communities*
- *Local development aspect*



*Linking the source in the South  
to the users in the North*

