



BUILD_ME



Partnering with:



BUILD_ME Factsheet Lebanon: About the low-energy buildings sector

Updated: June 2020

Recent developments

- The LCEC is currently evaluating NEEAP 2016 – 2020 and preparing to issue the 3rd National Action Plan for Energy Efficiency.
- The “Energy Conservation Law” was approved by the Ministry of Energy and Water and is now under review by Council of Ministers.

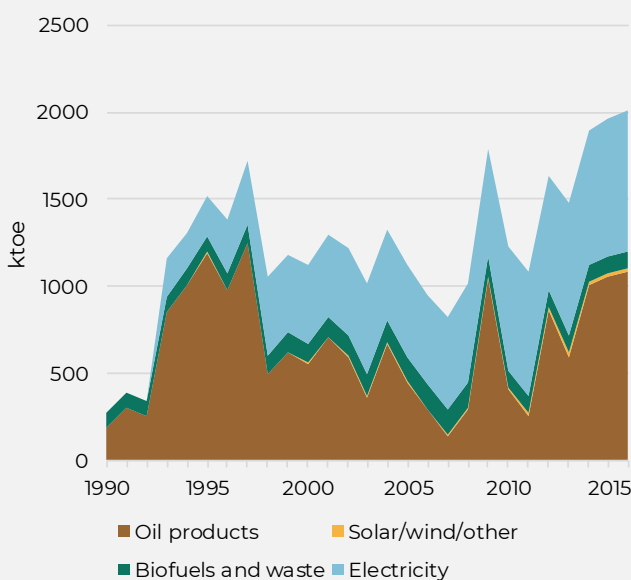
Macro-economic Indicators

6.8 M	Inhabitants (2019) ¹
15 k\$	GDP per capita (2019) ²
2.9%	Average inflation rate (2019) ³
0.12 USD /kWh	Average electricity price (2020) ⁴

Building Sector

2.4%	New construction rate (2017) ⁵
7.5M LBP/m²	Average cost of new construction (urban multi-family houses) (2015) ⁶
1.26 M	Number of single/multi-family households (2019) ⁷
13,251 GWh	Energy consumption of the building sector (2018) ⁸
31%/69%	Dwelling ownership structure: Rented/owned (2019) ⁹

Final Energy Consumption of the Building Sector



Typical Energy Efficiency Measures

Residential

- 1) Double wall & double glazing
- 2) LED lighting
- 3) Solar water heater

Non-residential

- 1) Variable refrigerant flow (VRF) system
- 2) Variable frequency drives (VFDs) and variable voltage variable frequency drives (VVF)

To download this factsheet and find out more about the BUILD_ME project, visit www.buildings-mena.com.



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BUILD_ME Factsheet Lebanon: Project Activities

Last updated: June 2020

CLIENT: International Climate Initiative funded by the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

DURATION: 2016 - 2021

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www.buildings-mena.com

BUILD_ME highlights in Lebanon from the first half of 2020:

- Workshop with more than ten project developers
- Technical assistance for six selected pilot projects commenced
- Began drafting the building typology for Lebanon
- Meetings with the key governmental stakeholders

Policy Recommendations

- LIBNOR Technical Committee 205 – Building Environment Design Committee is developing new energy efficiency codes for buildings.
- LCEC is currently working on the NEEAP 2020-2025 and NREAP 2020-2025.
- BUILD-ME project will assist in the upcoming NDC report and will review the NEEAP 2021-2025.

Phase II kick-off workshop in Lebanon in February 2020. Guidehouse staff participated virtually.



Tools

- Used the NEEREA database to assist in determining the building typology for new construction.
- Developed building typology for Lebanon with energy performance reference values
- The new demonstration projects database includes a project from Lebanon. To upload your own project, check out the project website [here](#).

Dissemination & Trainings

- Participants in first national workshop included ministries, real estate developers, NGOs, industry and FI representatives
- Project team met with more than 20 real estate developers in a small roundtables and/or on-site visits.

Pilot Projects

- Six pilot projects selected based on the evaluation of an initial list of more than 20 potential projects
- These six pilot projects have signed an MoU to be supported by the BUILD_ME project.
- BUILD_ME team started providing demand-driven technical assistance to project developers.



Tabarja

- Kye Beachfront Resort

Beirut

- Collège Notre Dame de Nazareth
- Arcade Suites II
- KLEOS
- Frames
- City Towers

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