



BUILD_ME



Partnering with:



BUILD_ME Factsheet Egypt: About the low-energy buildings sector

Updated: June 2020

Recent developments

- National urban development projects such as the New Administrative Capital and New Alamein City started to adopt energy efficiency measures.
- COVID-19 slowed down economic activity. Construction of National Projects continue with some restrictions.
- Per decree by the Minister of Local Development, all private construction permits in existing cities are temporarily suspended pending the revision of building permits.

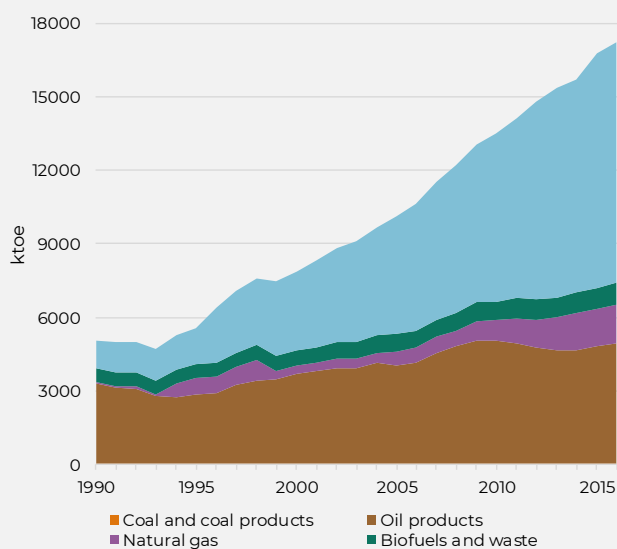
Macro-Economic Indicators

99.8 M	Inhabitants (2020) ¹
\$2,503	GDP per capita (2018) ²
9.2%	Avg. Inflation rate (2019-2020 per annum) ³
0.05€/kWh	Average electricity price (2020-2021) ⁴

Building Sector

2.9%	New construction rate (2017-2018) ⁵
3,233 EGP/m²	Average cost of new construction (urban multi-family houses) (2019) ⁶
1 M/12M	Number of single/multi-family households (2017) ⁷
94.55 TWh	Energy consumption of building sector (residential, governmental entities, commercial and other uses) (2018) ⁸
20%/80%	Dwelling ownership structure: rented/owned (2017) ⁹

Final Energy Consumption of the Building Sector



Typical Energy Efficiency Measures

Residential

- 1) Energy efficient HVAC system
- 2) Energy efficient appliances
- 3) Enhancing building envelope by adding insulation and/or minimizing areas of fenestration

Non-residential

- 1) Energy efficient HVAC system and lighting fixtures
- 2) Enhancing building envelope by increasing U value of walls, roofs and windows/glazing

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 Egypt: 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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BUILD_ME highlights in Egypt in the first half of 2020:

- The first national workshop with around 50 participants
- Draft of the building typology, reference buildings, and analysis of energy efficiency building code prepared
- Meetings with the key governmental stakeholders in Cairo

Policy Recommendations

- Gradually enforce Energy Efficiency Building Codes by providing incentives
- Foster synergies between different stakeholders/strategies related to energy efficiency
- Build capacity of different stakeholders on implementation of energy efficiency measures
- Implement pilot projects and disseminate their results to showcase benefits of energy efficiency to different audiences.

Phase II kick-off workshop in Cairo on 3 March



Tools

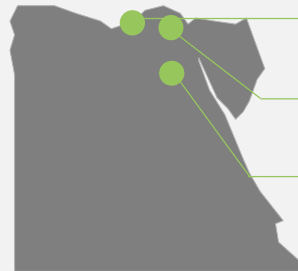
- Used BEP tool to calculate energy benchmarks for new buildings in Egypt and generate country specific values
- Developed building typology for Egypt with energy performance reference values
- Demonstration projects database currently includes a project from Egypt. To add your own project, check out 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 potential projects
- Four pilot projects developers have signed an MoU to be supported by the BUILD_ME project.
- BUILD_ME team started providing demand-driven technical assistance to project developers.



Alexandria

- Palm Hills, Alexandria

Mansoura

- New Al-Mansoura University

Greater Cairo

- Cairo West Residence
- Beverly Hills 229
- Heliopolis Residence
- Palm Hills

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