



Press Release

Central Agency for Public Mobilization And Statistics

8 Megawatt is the total produced solar energy in 2013/2014

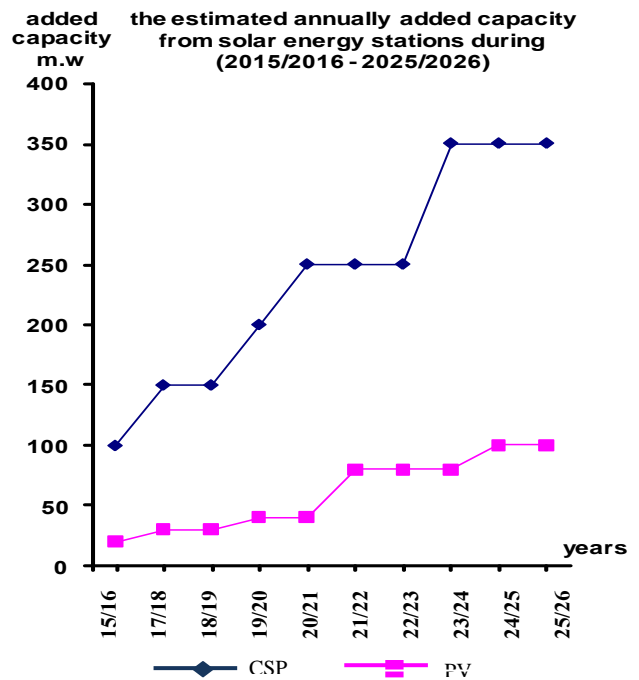
Central Agency for Public Mobilization and Statistics released on /2/2015 a study of " solar energy future in Egypt". The most important indicators are:

- Egypt has direct radiance solar intensity ranging (2000-3200 kw/h/m²/year) from north till south.
- Solar energy can be converted into electrical or thermal energy to provide (2400-2900kw/h/m²/year).
- Solar energy is used in Egypt in several areas; such as heating processes (solar water heaters, water heating for industrial purposes), photovoltaic cells systems, and solar thermal systems; to generate electricity.
- Now, 750 thousand m² is the total spaces of solar heaters surface in Egypt, and around 20 Egyptian companies work in the manufacture, import, distribution and installation of solar heaters.
- 8000 kw is the total produced solar energy in 2013/2014 in all sectors; of which 2000 KW for electricity countryside and solar lighting columns by 25%, 1500 KW for telecommunications sector by 18.7%, 1000 KW for advertising sector by 12.5%, 750 KW for agricultural sector by 9.4%, and 2750 KW for other sectors by 34.4%.
- 25 governmental firms use solar cells, their capacity of cells systems are ranging (20-80 kw), a total of about one megawatt, in addition to the linked system to unified electrical grid with capacity equals to 600 kw which had been implemented by a one of companies of "Arab authority for manufacturing".
- the solar energy contribute only in operation of Korimat electricity station, the project's capacity is 140 mw, including 20 mw Solar component, and the rest of other energy resources. It's planned to operate other several station in 2017.
- The Ministry of Electricity and Renewable Energy put new feeding tariff which is a mechanism to encourage the private sector to produce electricity from renewable sources, where the electric companies (transmission and distribution) purchase renewable energy from producers at a advertiser price to achieve an attractive return to investment through long-term agreements of energy purchase.

- The Supreme Council of Energy approved a plan aimed at contribution of renewable energy by 20% of the total electric power generated in 2020, distributed as 12% from wind energy with 7200 Megawatt total capacity, 8% from multiple contributions of renewable energy (hydropower- biomass -Solar).
- High investment costs, sales tax, the lack of similar support to oil, and gas support are the most important reasons to count the spread of solar heaters in Egypt, where the current Energy Prices in Egypt reduce the prevalence of the use of solar heaters compared to other traditional household heaters.

- **Five-Year Plan Solar (2012- 2017):**

- Establishment of solar thermal station in Kom Ombo to generate electricity with a total capacity of 100 mw.
- Establishment of 12 power plant by solar cells with a total capacity of 240 megawatts (Hurghada station capacity is 20 mw, Kom Ombo station capacity is 20 megawatts. 10 stations with a total capacity of 200 megawatts, for the private sector).
- Lighting 70 villages and gathered residential by photovoltaic cells.
- Lighting about 195 residential community in isolated villages (Aswan, Qena, Luxor, New Valley, North Sinai, Matrouh, Sohag) governorates using photovoltaic cells systems.



- It is planned to reach produced solar energy for about 3,000 megawatts during the period (2015/2016 - 2025/2026), of which 2400 mw of solar thermal power plants, CSP, 600 megawatts of solar PV plants.
- Spread the use of solar heaters in housing sector, administrative and recreational units, including the new cities and compound in New Urban Communities Authority in order to achieve save up to 30% of natural gas consumption and LPG to heat water for domestic purposes within 5 years in governorates that are unconnected to the natural gas network for homes, with the participation of Egyptian banks Federation, the Social Fund and its branches.