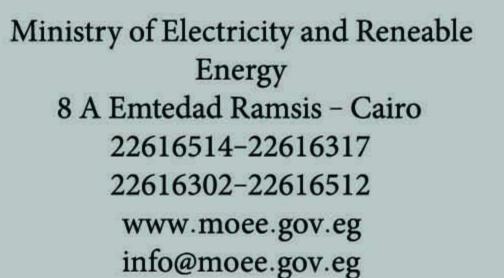


About 42% of the electricity used in residential and commercial sector, 35% of the total consumption of this sectors used in lighting and so it was imperative to provide power to adopt a plan using efficient bulbs, which can provide up to 80% of the consumption of incandescent bulbs.

Ministry of Electricity and Renewable energy start a program on December, 2013 for illuminating the governmental building by solar power to provide 14% of the total energy consumed, and not to total reliance on fossil fuel, This program targets improving energy efficiency in street Lighting, Governmental buildings, Public utilities and Residential sector. It is planned to include 3 stages from 2014 to 2016, the first stage targets replacement by 1 million efficient bulbs and expected to achieve emission reduction of 246.15 Kt CO2e.

GHG Covered	CO2
Implementing& Coord inating Agencies	 Ministry of Electricity and Renewable Energy.
	 Ministry of Local Development.
	 Ministry of Environment.
Time frame for Implementation	3 years on 3 stages as follows:
	• 1" Stage: 1 year (January 2014-December 2014)
	 2nd Stage: 1 year (January 2015- December 2015)
	 3rd Stage: 1 year (January 2016 - December 2016)
Estima ted full cost of Implementation	The total cost of the program is around 103 Million S, where a nation
	contribution of 42 Million S has been allocated by the Ministry of Finance
	so there is a need for international support and investment to cover the rest
Expected Annual savings	 Energy Savings: 1800 GWh
	 Load Reduction: 450 MW
	 Decrease of the Electricity Bill: 90M \$
	• Fuel Saving: 390 MTOE
Estimate of potential emissions reduction (ktCO2eq/year)	12 Stage: Replacement by 1 million efficient bulb lead to reduce:
	 around 450 GWh
	 Around 246.15 Kt CO2 e.
	2 ^m Stage: To be Calculated
	3 rd Stage: To be Calculated
contribution to the country's sustainable	Environmental Benefits:
development	 Reduction of GHG sespecially CO2.
	 Air quality improvem ent.
	E co nom ic Ben ef it s:
	 Conventional fuel consumed in Electricity generation.
	 Reduce d electricity bills.
	 Open new market for manufacturing.
	 Reduce the cost of daily operation and maintenance.
	 Invest one time and earn return lifetime.
	So cial Bene fits:
	 Expand the local manufacture.
	 Provide training and Job opportunities.
	 No impact of power outages on the street lighting.
Measurement, Reporting and Verification (MRV) Plan	 Degree of coverage.
	Emission Reduction
	Reduce d Electricity demand.
	Collection Percentage. Description
	Program Improvement opportunities.
	Number of manufacture. Number of manufacture.
Link to National Policies	National Energy Policy.
	Renewable Energy Plan
	 Egypt's Supreme Energy Council Decisions.







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