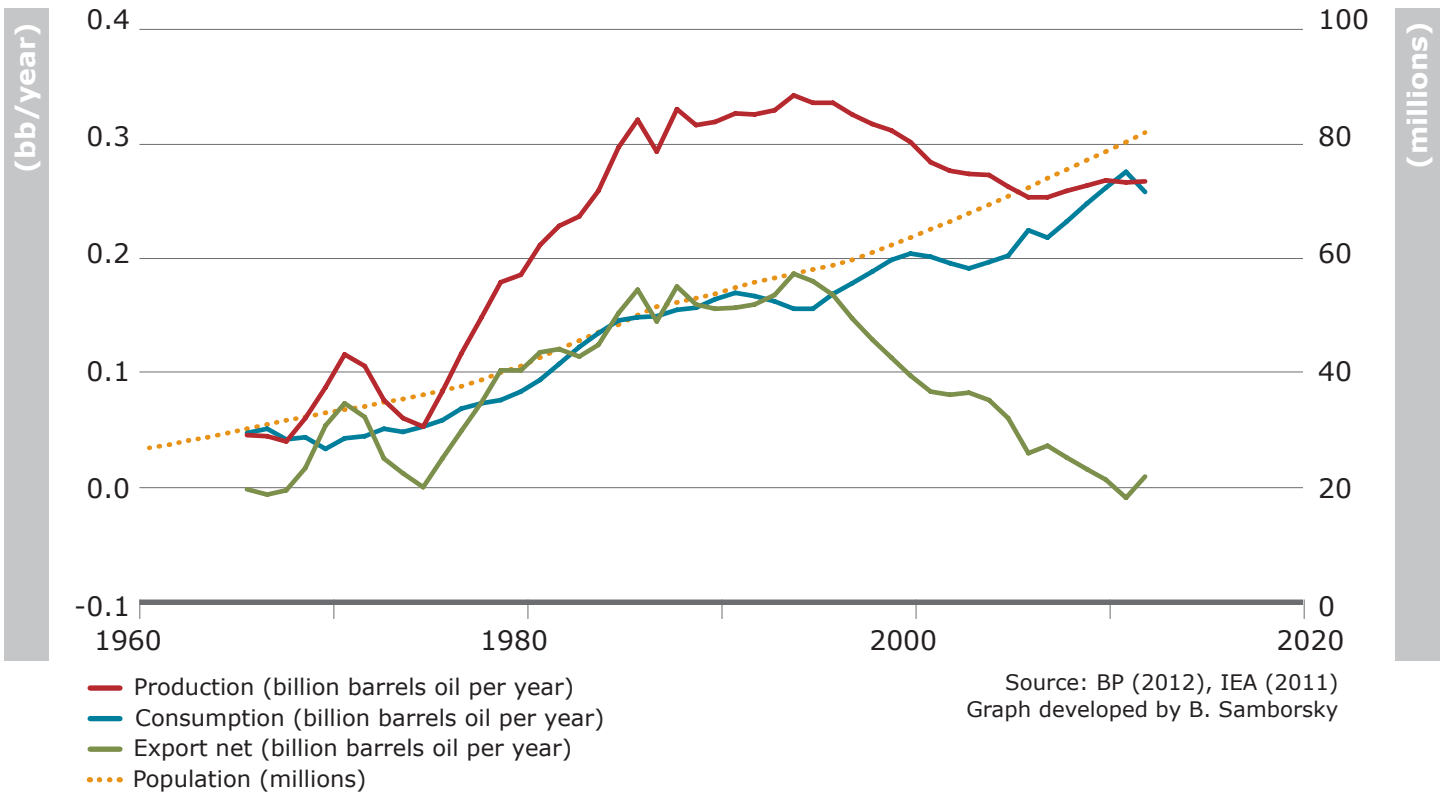


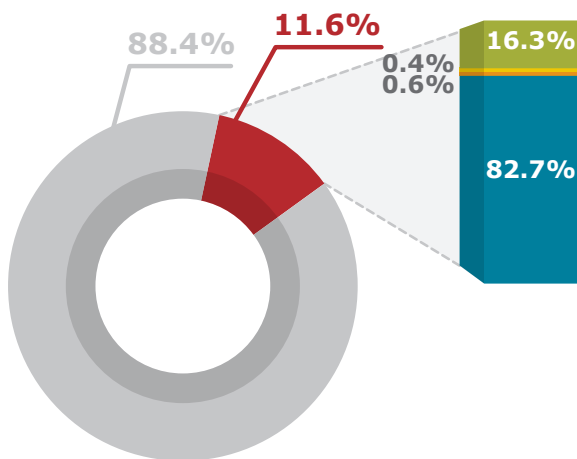


Renewable Energy Country Profile

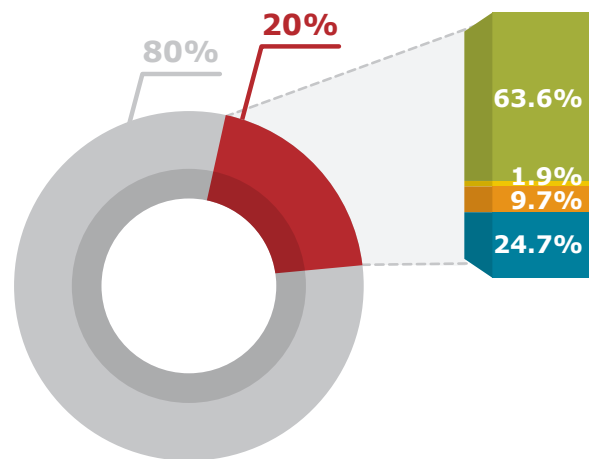
Energy Supply and Demand – Current Trends



Current Installed Capacity



RE Targets - Year 2020



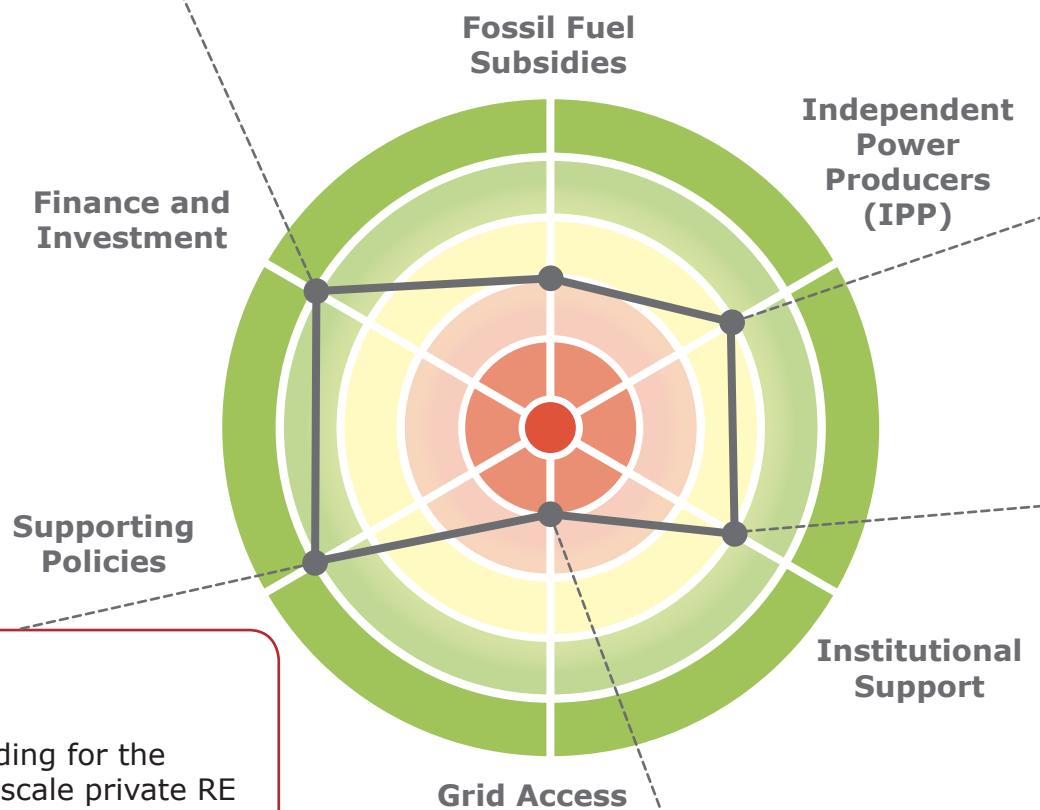
■ Fossil fuel ■ RE ■ Wind ■ PV ■ CSP ■ Hydro

Wind	PV	CSP	Hydro	Total RE	Total all Installed Capacities
MW 550	15	20	2800	3385	29076

Wind	PV	CSP	Hydro	Total	Target Date
7200	220	1100	2800	11320	2020

Finance and Investment

- In June 2012, the cabinet approved establishing RE fund for financing RE projects. Clear determination of sources of financing and procedures for disbursement of funds to RE projects are still under discussions.
- On 26 July 2009, the Supreme Council of Energy approved a policy to obtain financial guarantee to secure payments under power purchase agreements.
- According to the decision of cabinet of 26 May 2010, RE projects enjoy customs duty exemption. Investors have to apply to NREA with the list of equipment that needs to be imported. NREA certifies equipment as eligible for customs duty exemption.
- No internal tax benefits are provided to RE projects.



Supporting Policies

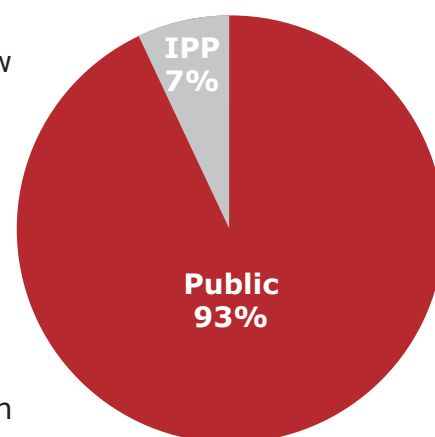
- Public competitive bidding for the development of large-scale private RE projects (2500 MW).
- Cabinet decision of 26 May (2010) ensures signing long-term (20-25 years) power purchase agreements.
- Feed-in Tariffs are under preparation.
- Net-metering policy for small-scale grid connected RE projects: In January 2013, EgyptERA adopted a net-metering policy that allows small-scale RE projects to feed in electricity to the grid. Generated surplus electricity will be discounted from the balance through the net-metering process.

Grid Access

- No priority access to RE is granted by law, however the Egyptian Electricity Transmission Company (EETC) purchases all existing RE currently.
- Renewable energy grid code is under preparation.
- No detailed grid map for designated renewable energy sites.

Independent Power Producers (IPP)

- Private generation of electricity has been authorized by law No 100 (1996). Total generation capacity of conventional electricity by IPPs constitutes 2049 MW.
- No IPPs producing RE exist yet. The first private wind project (250 MW) is currently under public competitive bidding process.
- Egyptian legal framework allows private self-generation of power from RE (auto-producers). Currently EgyptERA is developing so called "Energy Banking" system to allow RE auto-producers to feed in excess electricity to the grid with possibility of taking it back later when needed.
- No RE auto-producers in practice. The first wind auto-producer project (120 MW wind farm) is under construction.
- New Renewable Energy Authority (NREA) announced the availability of six parcels of land for RE auto-producer projects, each consisting of approximately 15 km² in the Gulf of Suez. Each parcel of land is sufficient for establishing a 100 MW wind farm, and will be granted based on an auction system.
- An usufruct and land use agreements with the winning developers will be signed against payment equivalent to at least 2% of the annual energy generated from the project or its value.



Institutional Support

- New Renewable Energy Authority (NREA) is responsible for promoting and supporting RE in Egypt.
- Egypt published three wind atlases: two for the Gulf of Suez area, and one for the whole Egypt which was published in 2005. Based on Egypt Wind Atlas, three areas were identified for potential wind projects: Gulf of el Zayt, East Nile, and West Nile.
- More than 7600 km² of desert lands are allocated to NREA by presidential decrees to host public and private wind farms. NREA reserved 600 MW from this land for RE auto-producers.
- No detailed solar atlas published yet.
- Land for large-scale solar projects is not allocated yet for private development.

Grid Interconnections

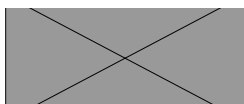
Country	Length (km)	Voltage (KV)	Capacity (MW)	Status
Jordan	13	400	550	In operation
Lebanon		400	100	In operation
Libya	180	220	240	In operation

Projects

Wind	CSP	PV				
In Operation						
<p>Project: Wind project in Hurgada Capacity: 5 MW Developer: Public (NREA) In operation since: 1993</p> <p>Project: Wind farm in Zafarana Capacity: 545 MW Developer: Public (NREA) In operation since: Various periods from 2001- 2010</p>	<p>Project: Kuraymat CSP Capacity: 20 MW Developer: Public (NREA) In operation since: 2011</p>	<p>Project: Decentralized small-scale off-grid PV systems Capacity: 15 MW Developer: Public and private</p>				
Under Construction						
<p>Project: Gulf of Al-Zayt Capacity: 200 MW Developer: Public (NREA) Commissioning date: 2014</p> <p>Project: Italgem wind project Capacity: 120 MW Developer: Private (Italgem Italcementi Group) Commissioning date: 2014</p>						
In Pipeline						
<p>Project: Gabal Al-Zayt Capacity: 220 MW Developer: Public (NREA)</p> <p>Project: Western Nile Bank Capacity: 200 MW Developer: Public (NREA)</p> <p>Project: Gulf of Suez Capacity: 120 MW Developer: Public (NREA)</p> <p>Project: Gulf of Suez Capacity: 200 MW Developer: Public (NREA)</p> <p>Project: Gulf of Suez Capacity: 200 MW Developer: Public (NREA)</p> <p>Project: Gulf of Suez Capacity: 200 MW Developer: Public (NREA)</p> <p>Project: Gulf of Suez Capacity: 250 MW Developer: Private (BOO)</p> <p>Project: Gulf of Suez Capacity: 500 MW (BOO) Developer: Private</p> <p>Project: Gulf of Suez Capacity: 6*100 MW Developer: Private (Auction System)</p>	<p>Project: Kom Ombo CSP Capacity: 100 MW Developer: Public (NREA)</p>	<p>Project: Hurghada PV Capacity: 20 MW Developer: Public (NREA)</p> <p>Project: Kom Ombo PV Capacity: 20 MW Developer: Public (NREA)</p>				
Projects Percentage of Total Capacity						
19.9%	11.6%	68.5%	16.7%	83.3%	27.3%	72.7%

■ In Operation
 ■ Under Construction
 ■ In Pipeline

Featured Partner



Contributors

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