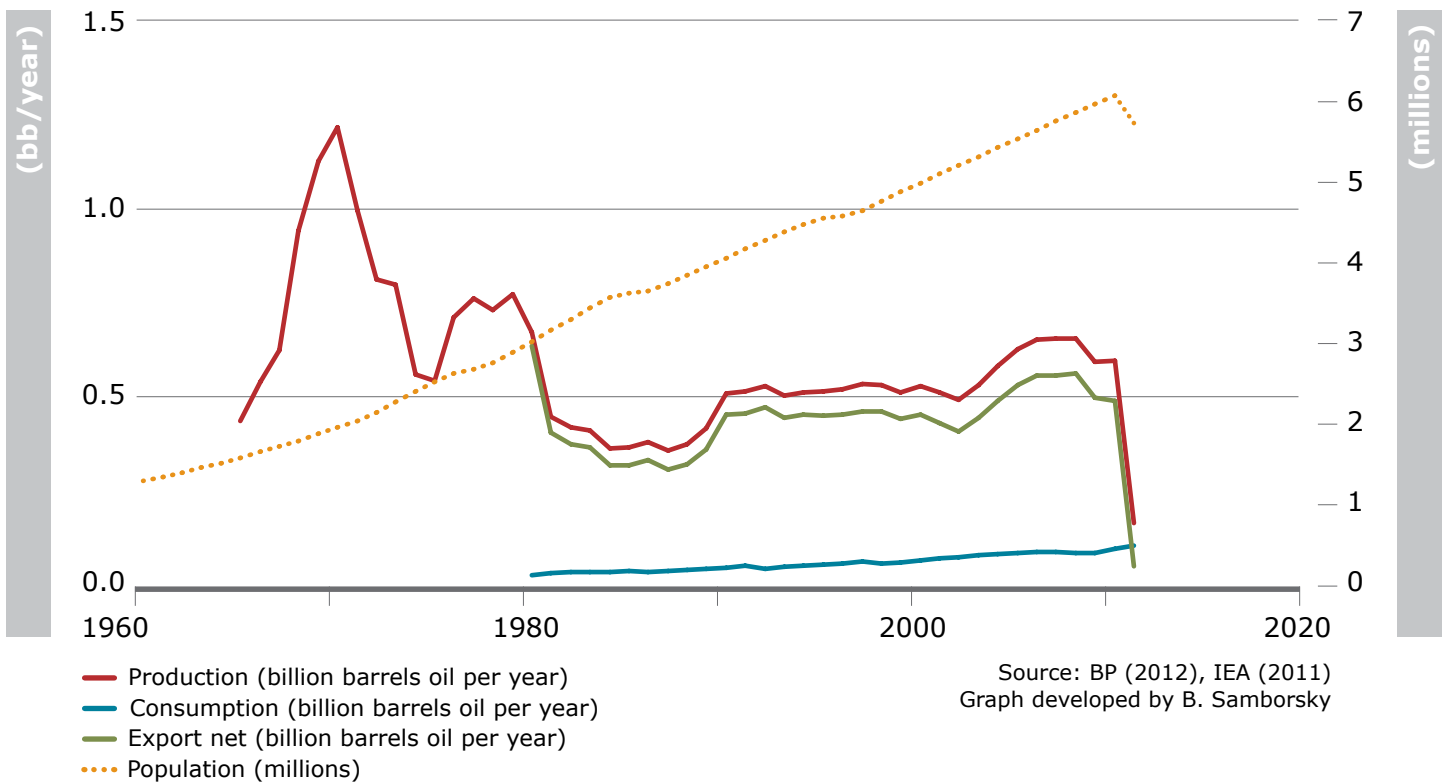
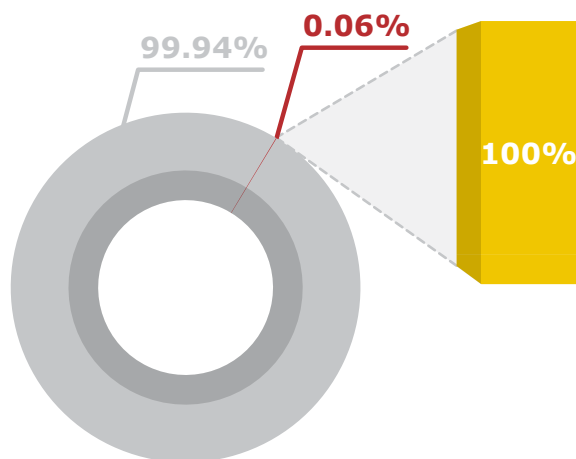


Renewable Energy Country Profile

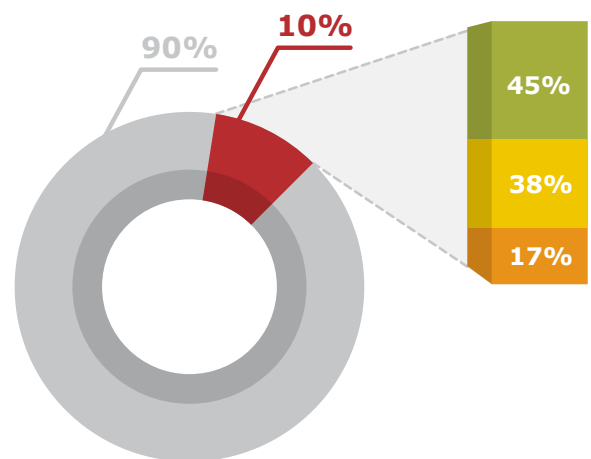
Energy Supply and Demand – Current Trends



Current Installed Capacity



RE Targets - Year 2025



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

	Wind	PV	CSP	Hydro	Total RE	Total all Energy
MW	0	5	0	0	0	8907

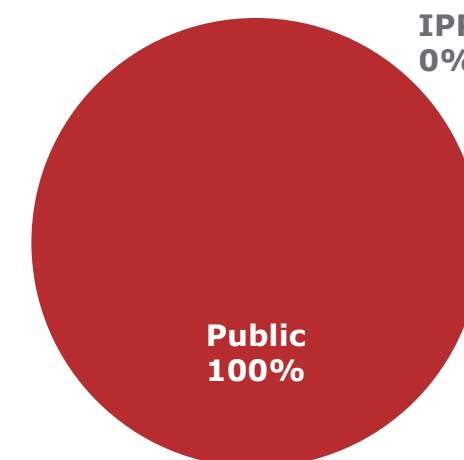
	Wind	PV	CSP	Total	Target Date
	260	129	0	389	2015
	600	344	125	1069	2020
	1000	844	375	2219	2025

Finance and Investment

- No RE fund has been established yet for financing RE projects. The first public RE projects are planned to be financed through government budget.
- As the power sector remains closed for private investors, Libya does not yet have a policy of providing financial guarantees to private investors to ensure payment under power purchase agreements.
- According to the new tax legislation, all RE equipment and components are fully-exempted from customs import duty.
- No internal tax privileges are provided to RE projects.

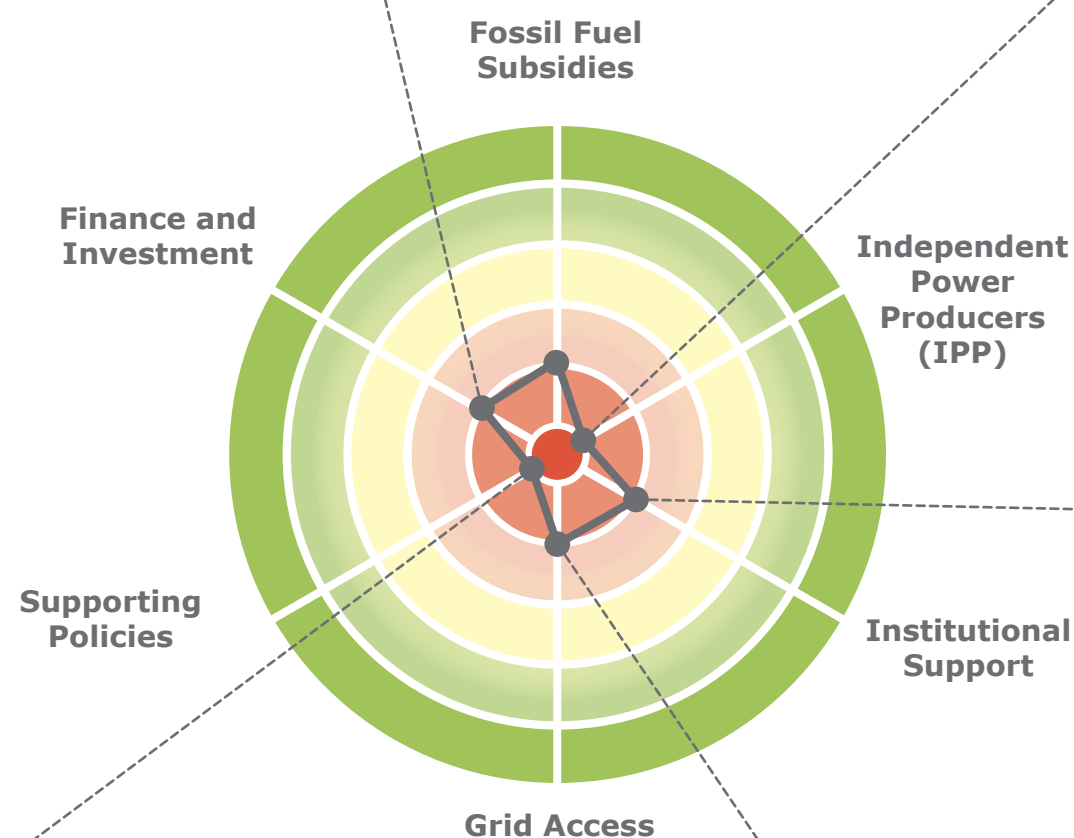
Independent Power Producers (IPP)

- All power companies in Libya remain state-owned. The power generation market is still closed for private investors.
- Currently, there is a new electricity law under preparation that will allow private sector companies to generate electricity.
- Libyan's legal framework does not allow private sector self-generation of RE (auto-producers) with the possibility of feeding surplus electricity to the grid.
- Besides small-scale scattered PV projects, there are no RE auto-producers in practice.



Institutional Support

- Renewable Energy Authority of Libya (LEAOL) was established in 2007 with the goal of promoting and supporting RE in Libya.
- The Solar Energy Research Center was founded in 1978 to research potential RE applications in Libya.
- A general wind map exists based on satellite data. However, no detailed wind atlas has been developed yet.
- Land has been identified and secured for the first two public wind projects: Darnah (60 MW), and Al-Magron I (80 MW). For private wind projects, land has not been identified or allocated yet.
- A general solar map exists based on satellite data. However, no detailed solar atlas has been developed yet.
- For the first two large-scale PV Plants in Al-Jofra (14 MW) and Sabha (40 MW), the land is already secured by the Libyan authorities. For private large-scale PV projects, land is not yet identified or allocated.



Supporting Policies

- No public competitive bidding for large-scale private RE projects.
- No obligation to conclude long-term power purchase agreements with RE producers.
- No Feed-in Tariffs.
- No net-metering policy for small scale RE projects.

Grid Access

- No priority access to RE is granted by law.
- No grid code for RE is developed yet.
- No detailed grid map for designated renewable energy sites.

Grid Interconnections

Country	Length (km)	Voltage (KV)	Capacity (MW)	Status
Egypt	180	220	240	In operation

Projects

Wind	PV
In Operation	
	Project: Wadi-Marsit Centralized PV System Capacity: 67.2 kWp Developer: Public Project: PV water pumping system Capacity: 120 kWp Developer: Public Project: Communication repeater stations Capacity: 950 kWp Developer: Public Project: Grid connected small scale PV Capacity: 42 kWp Developer: Public Project: Rural electrification PV systems Capacity: 725 kWp Developer: Public Project: Street lighting PV systems Capacity: 15 Systems*75 kWp Developer: Public Project: Mobile phones Capacity: 1859 kWp Developer: Public
Under Construction	
Project: Darnah Capacity: 60 MW Developer: Public Commissioning date: 2014 Total investment costs: €80 million + 40 million Libyan Dinar	Project: PV Plant Al-Jofra Capacity: 14 MW Developer: Public Commissioning date: 2014
In Pipeline	
Project: Al Magron I Capacity: 60 MW Developer: Public Project: Al Magron II Capacity: 120 MW Developer: Private	Project: PV Plant in Sabha Capacity: 40 MW Developer: Public Project: PV Plant South Green Mountain Capacity: 50 MW Developer: Private Project: Rural electrification PV Capacity: 2 MW Developer: Public Project: PV Plant Ghat Capacity: 15 MW Developer: Public Project: PV Roof top systems Capacity: 3 MW Developer: Public
Projects Percentage of Total Capacity	

23.1%

76.9%

3.9% 10.9%

85.3%

■ In Operation ■ Under Construction ■ In Pipeline

Contributors

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