

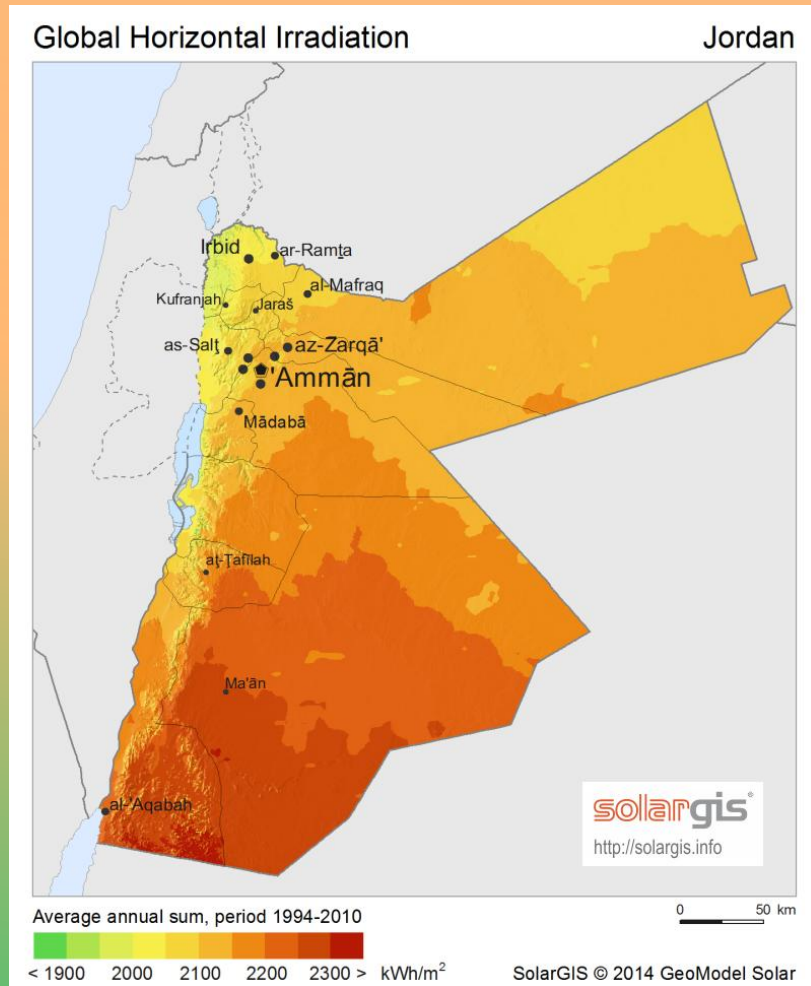


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Jordan Solar Industry Association (JSIA)

- JSIA organization will seek to create new solar energy business and employment opportunities in Jordan and bridging to GCC and enable collaboration opportunities throughout the GCC region.
- The Solar GCC Alliance exists to encourage each of its affiliate countries to pursue independent solar development, while simultaneously providing an infrastructure for international collaboration.
- We encourage **businesses, governments, utilities, and academic institutions** in affiliate nations and the international community to join us in our efforts and make the solar potential of the MENA region a reality

Jordan Solar Potential



THE H.K.J (GENERAL INFORMATION)

Area	(Thousand km ²)	89.342
Population	(Million)	9.8
Large Cities		12
GDP(2016)	(Million)	27450.1*
GDP(2015)	(Million)	26637.4**
* Estimated	** Preliminary (Current Prices)	

Electricity Demand

Economical Figures	
RE Energy Figures	
<i>GHI</i>	<i>2300 kWh/m²/year (at south)</i>
<i>Sunshine hours</i>	<i>3602 possible of 4383 h/year</i>
<i>Installed Power Capacity</i>	<i>4.8 GW</i>
<i>RE capacity/share</i>	<i>0.5 GW%/ 4.8</i>
<i>RE Generation Share</i>	<i>4.2%</i>
<i>PV capacity/ share</i>	<i>6%</i>

(<http://www.amman.climateps.com/sunlight.php>)

(Ref: NEPCO brochure 2016)

Electricity Generation

SIGNIFICANT FIGURES FOR ELECTRICITY SECTOR		2016*	2015	(%)
Generated Energy by Type of Fuel (GWh)		19498.3	19009.3	2.6
1- Electricity Sector		19056.7	18537.0	2.8
Heavy Fuel		1511.5	6172.2	-75.5
Diesel		93.6	2972.7	-96.9
Natural Gas		16639.0	9210.9	80.6
Renewable Energy	Solar Energy	376.6	1.6	23437.5
	Wind Energy	390.8	123.1	217.5
	Biogas	4.1	4.0	2.5
	Hydro	41.1	52.5	-21.7
2- Industrial Sector		441.6	472.3	-6.5
Heavy Fuel		440.9	471.5	-6.5
Diesel		0.7	0.8	-12.5

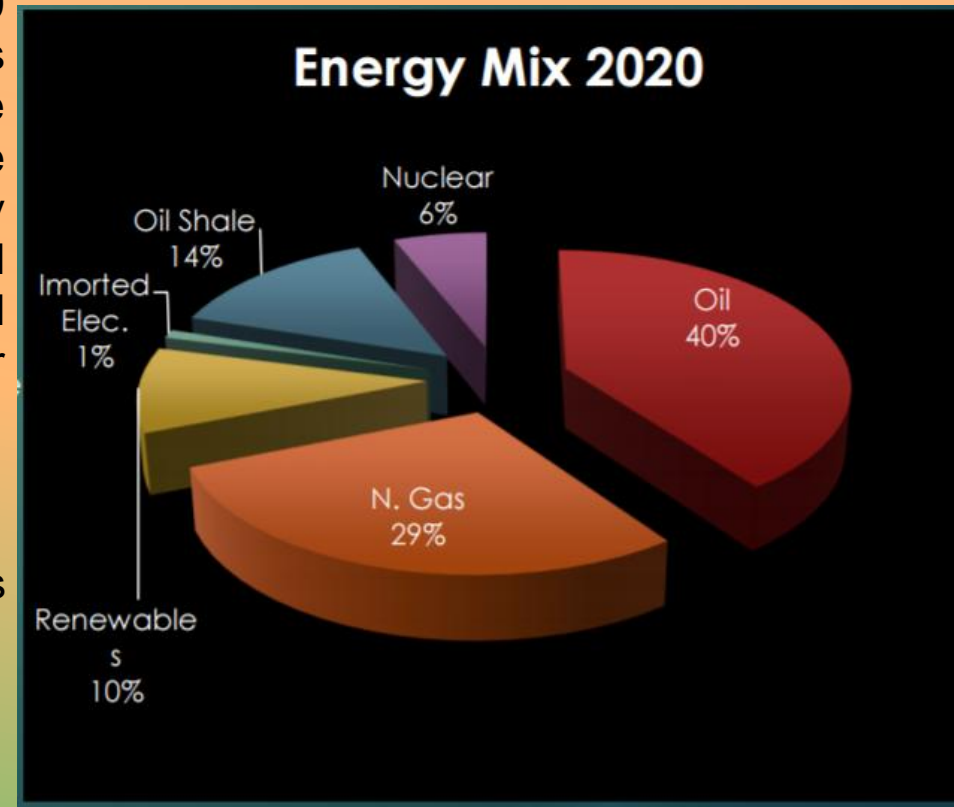
Jordan's Energy mix Strategy

Renewable Energy

Jordan's 2007-2020 Energy Strategy calls for increasing the share of renewable energy to **10%** by installing an additional 1,000 MW of wind and 800 MW of solar energy by 2020.

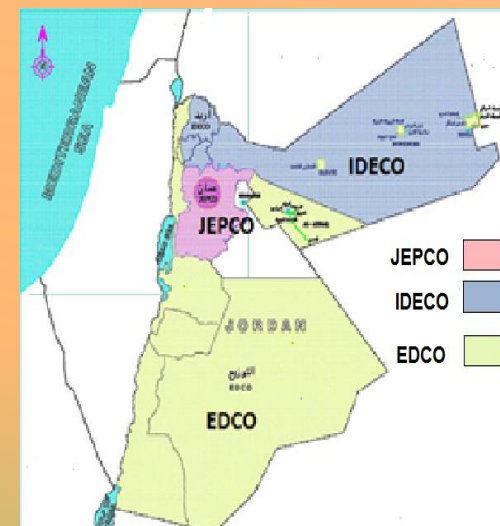
Energy Efficiency

The 2012 National Energy Action Plan calls for a **30%** increase in solar water heater uptake and **20%** improvement in energy efficiency by 2020.



PV Net metering projects

DNOs -2016	EDCO (kWp)	JEPCO (kWp)	IDECO (kWp)
Residential	2,478	10,350	1,064
Commercial	3,653	17,100	661
Banks & Comm.	68	750+300	97+10.6
Regular tariffs (Schools, Universities, Mosques, Churches, etc.)	4,066	36,075	4,205
Agricultural	46	N.A	485
Industrial	823	4125	898
Water pumping	N.A	N.A	446
Hotels	N.A or regular	6,300	N.A or regular
Total (kWp)	11,134	75,000	7,861



PV PPA Round 1 Projects

Direct Proposals Scheme/ Round 1:

#	Type	Capacity	Location	Project(s) Information
2	Direct Proposal Round 1/ PV Solar	200 MW total	10 projects in Maan Area , 1 in Aqaba, 1 in Mafrq	<ul style="list-style-type: none">• (12) PV solar proposals were received in March 2013 with total capacity of (200) MW.• PPAs signed in March 2014.• reached Financial Close in May 2015• To be operational end 2015/2016

PV PPA Future project

Direct Proposals Scheme/ Round 2:

#	Type	Capacity	Location	Project(s) Information & Current Status
3	PV Solar	200 MW total (50 MW each)	North, East and Middle Jordan	<ul style="list-style-type: none"> (45) MOUs were signed with short listed PV bidders. (34) Proposals were submitted by 10 February 2015. Encouraging prices were proposed. PPAs signed for 2 projects, the other 2 under PPA signing. To be operational by end of 2017.

Gulf Grants:

#	Type	Capacity	Location	Project(s) Information & Current Status
4	PV Solar	65 – 100 MW	Al Quweira/ Aqaba	<ul style="list-style-type: none"> EPC Project. Funded by Abu Dhabi Fund 15 Bidders were qualified 7 proposals were received by the deadline (26 July 2015). To be awarded before end of 2015. To be operational by 2017.

- **Direct Proposal- Masdar Project**
200MW - Ongoing
- **Direct Proposal scheme/ Round 3**
 - Another 200MW to be installed
 - It is under bidding
- Another 100-200MW net metering (Roof and Ground mounted) projects under development or tendering,



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