



# The Hashemite Kingdom Of Jordan

## Ministry Of Energy And Mineral Resources

### Energy 2019 - Facts & Figures

General Indicators						Abbreviations	
	2014	2015	*2016	2017	2018	GDP	Gross Domestic Product
Population (000)	6650	6514	9798	10053	10309	JD	Jordan Dinar (1000 Fils)
GDP (million jd) at current price	25437	26637	27445	28449	29984	1 JD	\$ 1.41 in 2018
GDP Per Capita (JD)	3825	4089	2801	2830	2909	kgoe	Kilogram Oil Equivalent
**Energy Intensity (Kgoe/1000\$ in fixed price)	223	230	242	247	235	TOE	Ton Oil Equivalent
Per Capita Primary Energy Consumption (kgoe)	1272	1373	981	996	942	MW	Megawatt (1000 KW)
Per Capita Consumption of Electricity (kwh)	2318	2483	1701	1748	1701	GWh	Gegawatt-hour (10 <sup>6</sup> KWh)
Percentage of Population Supplied with Electricity(%)	99.9	99.9	99.9	100	99.9	CF	Cubic Feet

Energy Intensity: Energy required to Produce one unit from GDP Constant prices  
 \* Indicators of 2016 depending on Census 2015  
 \*\* Gross Domestic Product at constant prices 2016=100

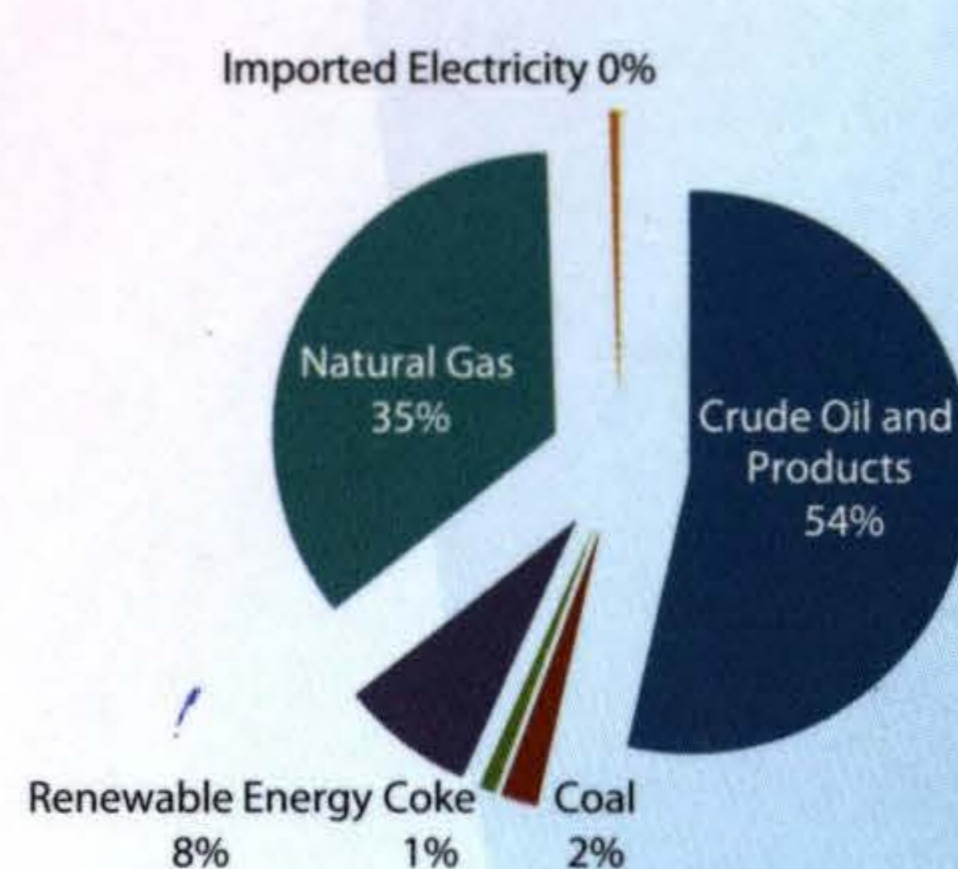
### Jordan Energy Balance 2018 (000TOE)

Sector	Crude Oil	Fuel Oil	Diesel	Gasoline	LPG	Kerosene	Jet Fuel	Pet Coke	Other	Total Oil	Coal	L. Coke	N. Gas	Electricity	Solar Energy	Bio Mass	Total Energy
Indigenous Production	1.0									1.0			77.9	443.1	214.0	54.0	790.0
Imports	2412.8	0.0	1184.7	1031.0	403.5	40.2	71.7	91.5	6.3	5241.8	162.4	42.8	3608.8	47.4		17.5	9120.8
Exports										0.0			-249.1	-23.5			-272.7
Bunkers		0.0	-4.2				-51.3			-55.5							-55.5
Stock Changes	-11.1	2.2	31.3	56.1	6.8	31.9	12.5		-0.6	129.1							129.1
Primary Energy Supply	2402.7	2.2	1211.9	1087.2	410.3	72.1	32.9	91.5	5.7	5316.3	162.4	42.8	3437.6	467.0	214.0	71.6	9711.8
Oil Sector	-2402.7	439.5	764.1	517.2	73.6	-10.7	329.6		162.6	-126.8							-126.8
Electricity		-120.0	-4.2							-124.2			-3437.6	1694.0			-1867.8
Transp. & Dist. Losses														-229.5			-229.5
Cons. Energy Supply		-155.3	0.00						-41.8	-197.1				-33.44			-230.5
Final Energy Consump.	0.0	166.4	1971.8	1604.3	483.9	61.4	362.4	91.5	126.5	4868.2	162.4	42.8	0.0	1507.7	214.0	71.6	6866.8
Industry		152.0	159.9		11.5			91.5		414.9	162.4	42.8	0.0	333.4			953.5
Transport		6.0	1382.0	1613.0			362.4			3363.4							3363.4
Household			117.9		378.6	61.4				557.9				691.2	160.8	53.6	1463.5
Services			88.5		72.6					161.1				215.6	53.2	18.0	448.0
Others			242.8	0.8	21.3					264.8				267.5			532.3
Non-Energy use									126.5	126.5							126.5
Statistical Differences	0.0	8.4	-19.2	-9.5	0.0	0.0	0.0	0.0	0.0	-20.4	0.0	0.0	0.0	0.0	0.0	0.0	-20.3

### Primary Energy Consumption

Item	2014	2015	2016	2017	2018
Crude Oil & Products	7479	6331	5327	5671	5225
Coal	332	161	220	165	205
Coke	88	165	182	148	92
Renewable Energy	152	160	412	515	753
Natural Gas	301	1944	3389	3510	3438
Imported Electricity	109	152	84	13	47
Total	8461	8944	9614	10009	9712

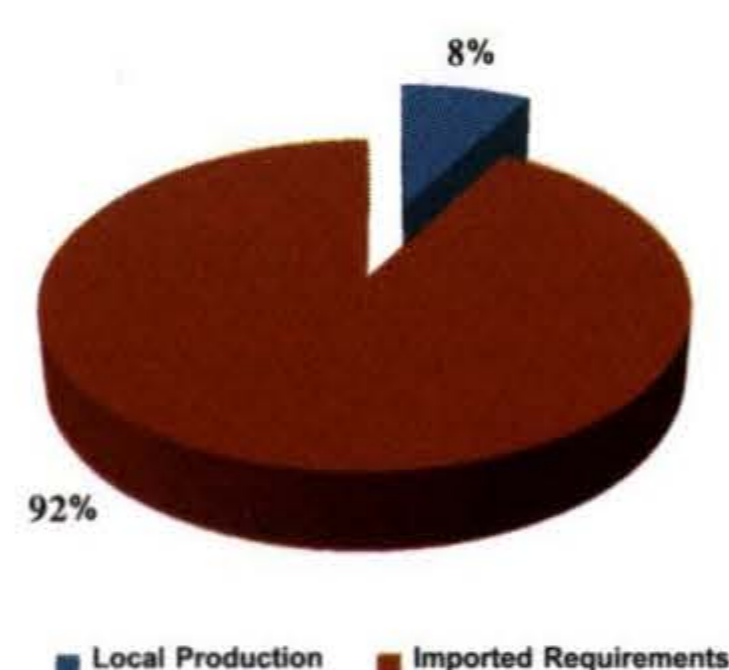
### Primary Energy Consumption 2018



### Local Production of Oil & Natural Gas

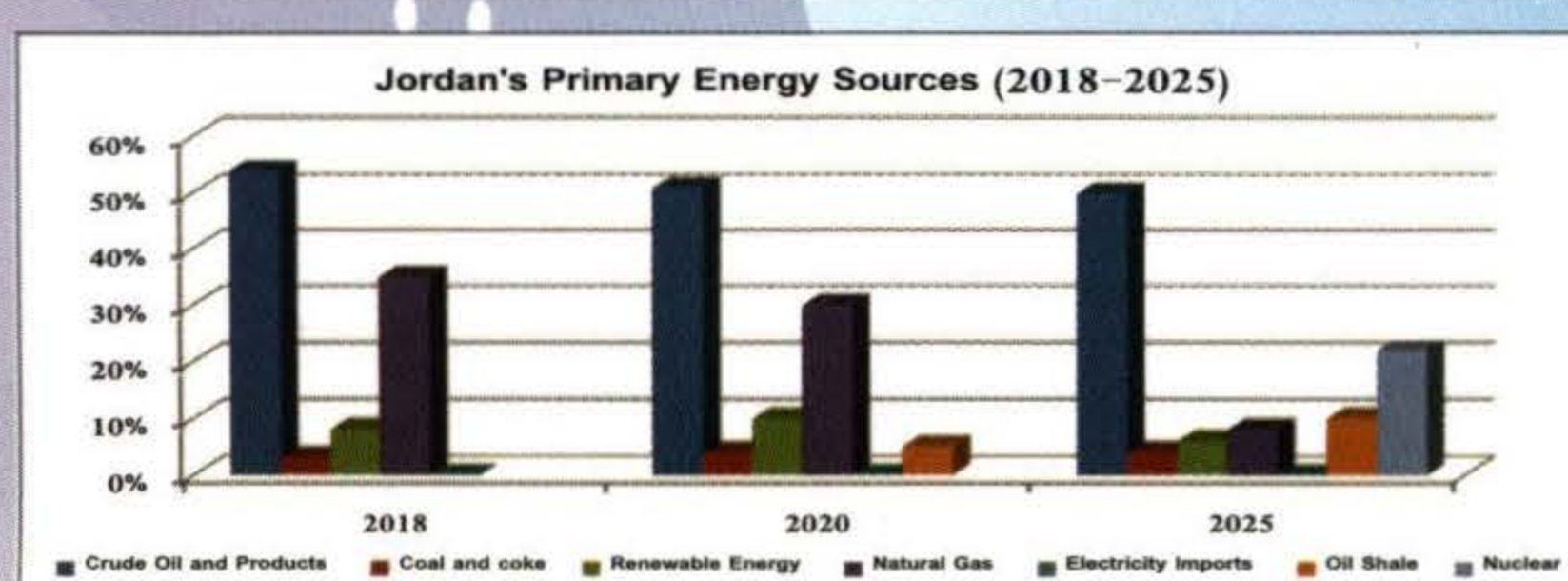
	2014	2015	2016	2017	2018
Crude Oil (000 Toe)	1	0.5	0.4	0.3	1
N.Gas (Billion CF)	4.6	4.3	4.1	3.6	3.3
Total (000 Toe)	98	102	87	83	79

### Local Production Share of Total Energy Requirements 2018



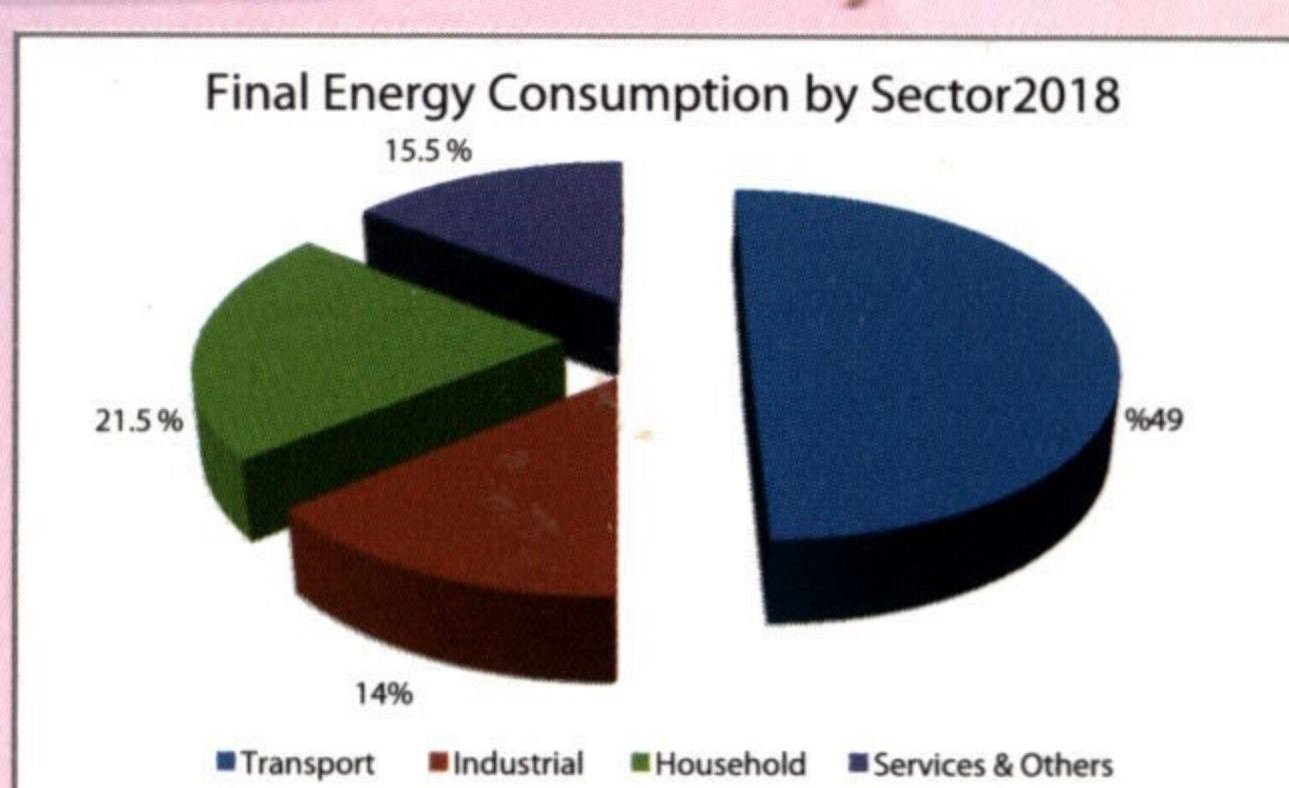
### Jordan's Primary Energy Sources 2018-2025

	2018	2020	2025
Crude Oil and Products	54%	51%	50%
Coal and coke	3%	4%	4%
Renewable Energy	8%	10%	6%
Natural Gas	35%	30%	8%
Electricity Imports	0%	0%	0%
Oil Shale		5%	10%
Nuclear			22%



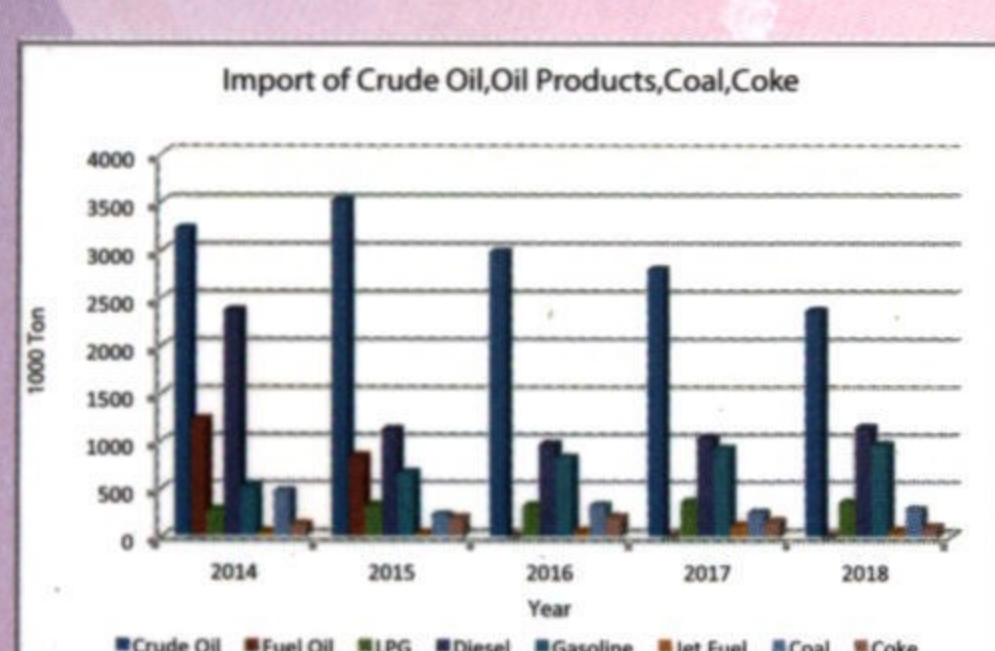
## Final Energy Consumption

	2014	2015	2016	2017	2018
Transport	2558	2811	3184	3431	3363
Industrial	1079	991	1064	938	954
Household	1152	1272	1342	1549	1463
Services & Others	718	754	826	950	981
Total (000 Toe)	5507	5828	6416	6868	6761



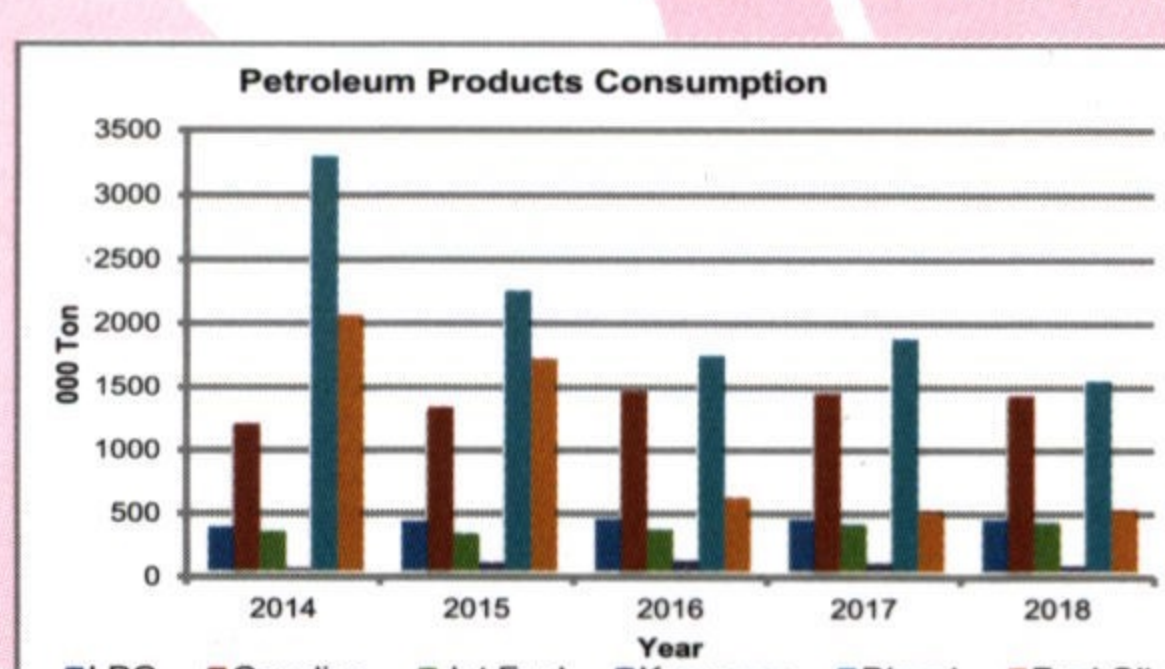
## Import of Crude Oil, Oil products, Coal, Coke (000 Tons)

	2014	2015	2016	2017	2018
Crude Oil	3221	3513	2978	2795	2366
Fuel Oil	1232	848	0	0	0
LPG	282	335	327	368	357
Diesel	2373	1121	967	1029	1145
Gasoline	520	670	832	923	964
Jet Fuel	51	34	64	125	67
Coal	474	231	327	255	292
Coke	130	203	210	170	105
Total	8283	6955	5705	5665	5296

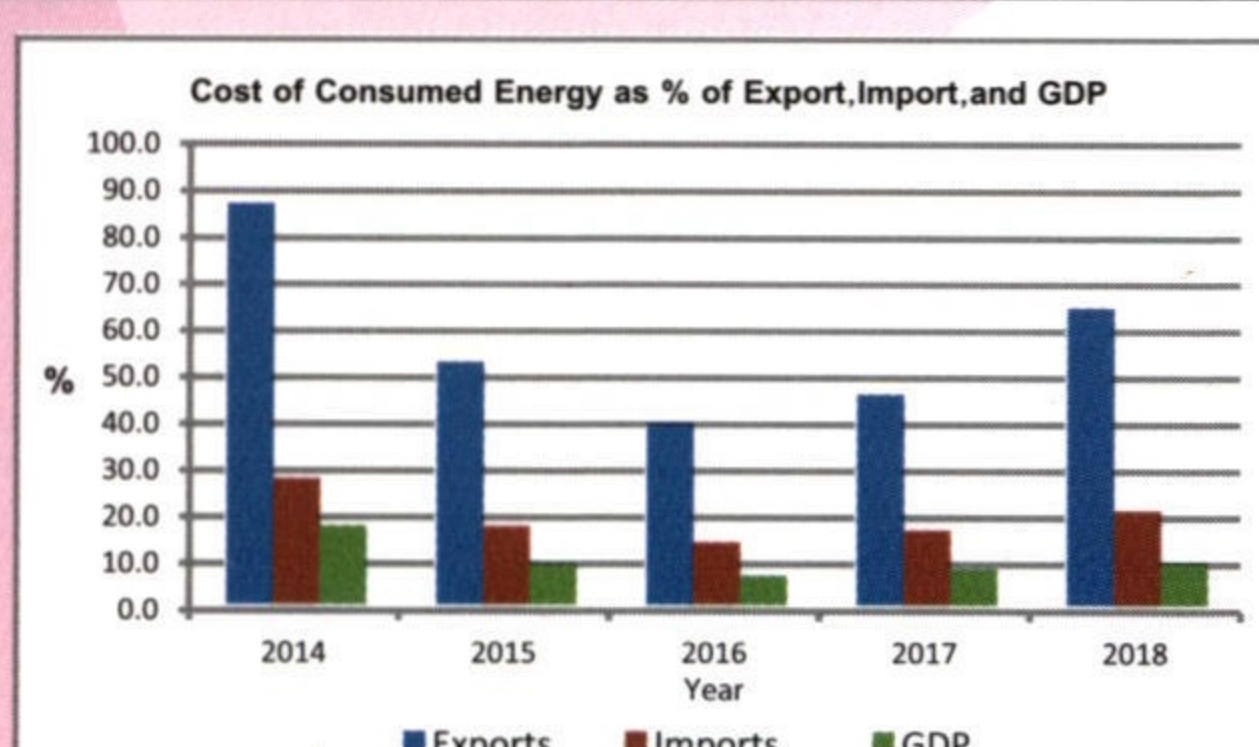


## Petroleum Products Consumption (000 Ton)

	2014	2015	2016	2017	2018
LPG	371	416	434	431	429
Gasoline	1187	1319	1446	1431	1410
Jet Fuel	339	321	355	396	412
Kerosene	49	91	108	88	69
Diesel	3274	2235	1726	1859	1672
Fuel Oil	2041	1705	606	505	515

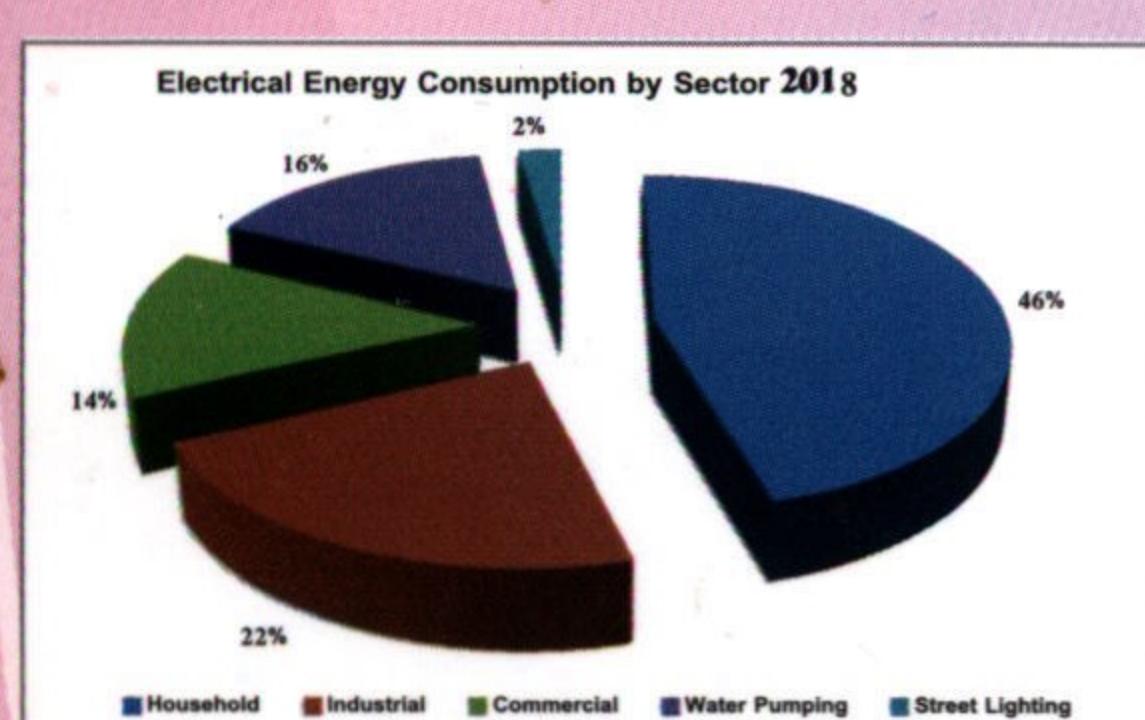


Cost of Consumed Energy				
Year	Cost of Consumed Energy (Million JD)	Cost of Consumed Energy Related to		
		Exports%	Imports%	GDP%
2014	4480	86.8	27.7	17.6
2015	2532	52.8	17.5	9.7
2016	1924	39.7	14.1	7.0
2017	2429	45.8	16.8	8.5
2018	3010	64.5	21.0	10.0



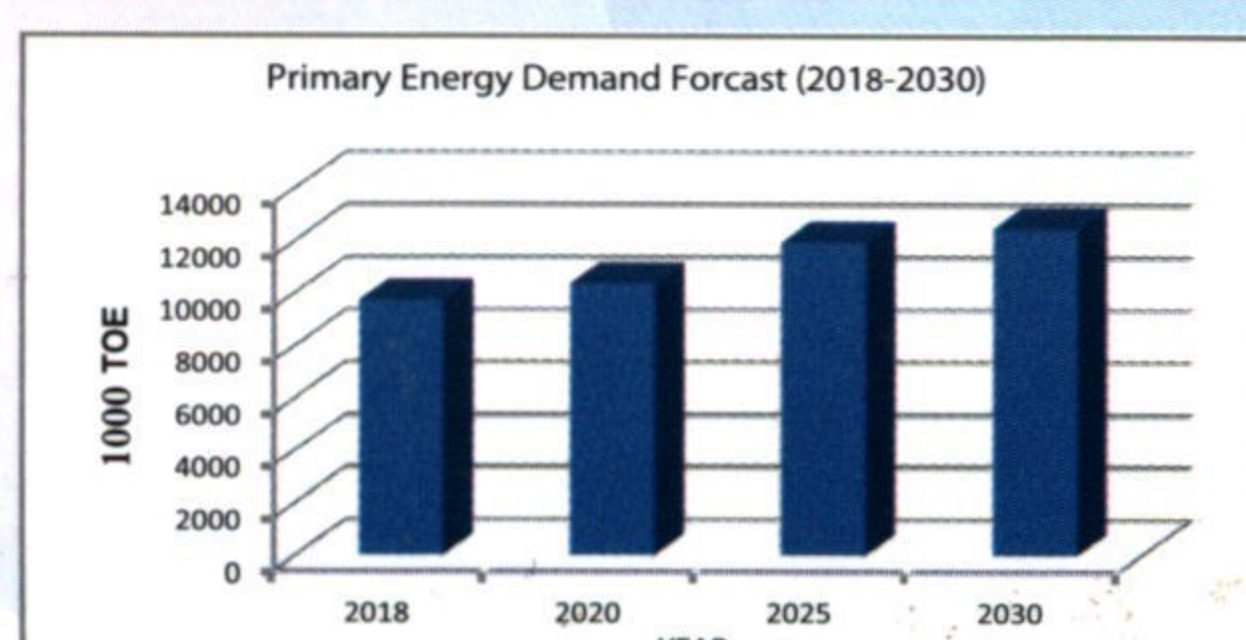
## Electricity Consumption (GWh)

	2014	2015	2016	2017	2018
Household	6580	6938	7448	8076	8038
Industrial	3877	4012	3939	3785	3877
Commercial	2358	2460	2447	2655	2507
Water Pumping	2287	2426	2485	2655	2706
Street Lighting	316	337	350	403	404
Total	15418	16173	16669	17574	17532



## Energy and Electricity Demand Forecast in Jordan

YEAR	PRIMARY ENERGY		Max. Demand		Electrical Energy	
	TOE	Growth%	MW	Growth%	Gwh	Growth%
2018	9712	-3	3205	-3.5	19755	-1.5
2020	10352	3.5	3676	3.5	21995	4.3
2025	11943	3	4433	3.8	27285	4.4
2030	12457	3.8	5341	3.8	33832	4.4



- ◆ The Council of Ministers agreed to reduce the special tax on natural gas for industries from 16% to 7%.
- ◆ The Council approved to exempt new companies switching to natural gas from the special tax imposed on natural gas for three years.
- ◆ The Council of Ministries approves to issue licenses for new oil marketing companies to distribute oil products. The Expression of Interest was announced and two companies submitted for the EOI and only one company has completed the EOI requirements and transferred to the Energy & Minerals Regulatory Commission (EMRC).
- ◆ To construct a pipeline to export Iraqi oil through Jordan territories via Aqaba on the wording of final framework agreement to be signed by both governments.
- ◆ A memorandum of understanding was signed on 2/2/2019 for processing and transportation of crude oil between Iraq and Jordan. The MOU included Jordan purchasing 10k bpd of Kirkuk Iraqi crude oil on favorable prices to meet Jordan annual needs.
- ◆ A decision was issued by the Council of Ministers to allow large consumers to reserve capacities in Round I Proposals to cover consumption. the work is in progress to sign the agreements with some banks and senior industrialists.
- ◆ Receive and evaluate 10 direct proposals for an electricity and energy storage project with a capacity of 30 MW to store 60 MWh of electricity for two hours.
- ◆ The Jordan Renewable Energy & Energy Efficiency Fund JREEEF has installed 300 solar cell systems, 8000 solar water heaters, 329 photovoltaic solar systems in mosques and heating 128 schools.

## Ministry Of Energy & Mineral Resources

Free Tel.: (080022238)

Tel.: 06 5803060 Fax: 06 5865714

P.O.Box: 140027 Amman 11814

memr@memr.gov.jo

www.memr.gov.jo