



The Hashemite Kingdom of Jordan

Ministry of Energy and Mineral Resources

Energy 2017 - Facts & Figures

General Indicators

	2012	2013	2014	2015	*2016
Population (000)	6388	6530	6650	6514	9798
GDP (Million JD) at current price	21965	23852	25437	26637	27445
GDP Per Capita (JD)	3432	3652	3825	4089	2801
Energy Intensity (Kgoe/1000\$ in fixed price)	282	273	275	284	296
Per Capita Primary Energy Consumption (kgoe)	1247	1249	1272	1373	981
Per Capita Consumption of Electricity (kwh)	2230	2234	2318	2483	1701
Percentage of Population Supplied with Electricity(%)	99.9	99.9	99.9	99.9	99.9

*Indicators of 2016 depending on Census 2015

Abbreviations

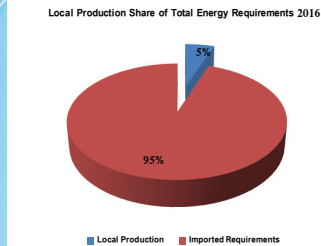
GDP	Gross Domestic Product
JD	Jordan Dinar (1000 Fils)
1 JD	\$ 1.41 in 2016
kgoe	Kilogram Oil Equivalent
TOE	Ton Oil Equivalent
MW	Megawatt (1000 KW)
GWh	Gegawatt-hour (10 ⁶ KWh)
CF	Cubic Feet
Energy Intensity	Energy required to Produce one unit from GDP Constant prices

Jordan Energy Balance 2016 (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	0.4									0.4							
Imports	2981.3	0.0	985.5	866.0	363.3		66.5	182.8		5445.5	201.0	18.8	3990.4	84.0			9739.7
Exports													687.6	11.5			699.0
Bunkers		81.8	2.1				83.6			167.6							167.6
Stock Changes	-23.6	-7.8	-6.0	-38.4	6.9	-11.6	-23.5		0.0	-103.8							-103.8
Primary Energy Supply	2958.2	74.0	981.7	827.6	370.2	-11.6	126.7	182.8	0.0	5509.6	201.0	18.8	3389.1	286.5	162.4	47.4	9614.8
Oil Sector	-2958.2	578.8	925.8	607.0	90.6	99.9	297.6			221.6	-137.0						-137.0
Electricity		344.6	13.6							-358.2			-3389.1	1629.6			-2117.7
Transp. & Dist. Losses														231.3			231.3
Cons. Energy Supply		188.6	0.00						42.5	231.1				43.77			274.9
Final Energy Consump.	0.0	119.7	1893.9	1434.6	460.8	88.3	424.2	182.8	179.1	4783.3	201.0	18.8	0.0	1433.5	162.4	47.4	6546.4
Industry		131.2	181.2		9.9			182.8		505.1	201.0	18.8		338.7			1063.7
Transport		2.3	1317.0	1441.0			424.2			3184.5							3184.5
Household			92.5		368.6	88.3				548.4				640.5	127.0	25.6	1342.5
Services			67.6		69.9					137.5				210.4	35.4	21.8	405.1
Others			164.5		12.4					177.0				243.9			420.8
Non-Energy use									179.1	179.1							179.1
Statistical Differences	0.0	-13.8	71.0	-6.4	0.0	0.0	0.0	0.0	0.0	50.7	0.0	0.0	0.0	0.0	0.0	0.0	50.7

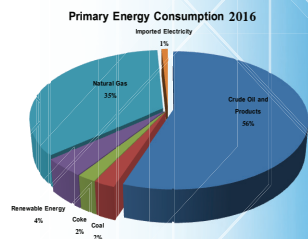
Local Production of Oil & Natural Gas

	2012	2013	2014	2015	2016
Crude Oil (000 Toe)	1.1	1	1	0.5	0.4
N.Gas (Billion CF)	5.8	5.3	4.6	4.3	4.1
Total (000 Toe)	122	112.3	98	102	87



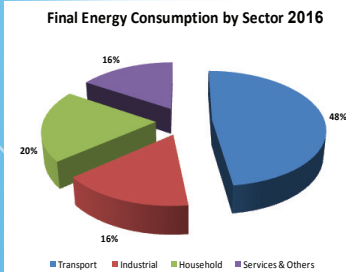
Primary Energy Consumption

	2012	2013	2014	2015	2016
Crude Oil and Products	6992	6689	7479	6331	5327
Coal	226	204	332	161	220
Coke	0	116	88	165	182
Renewable Energy	140	145	152	160	412
Natural Gas	659	907	301	1944	3389
Imported Electricity	188	96	109	152	84
Total	8205	8157	8461	8944	9614



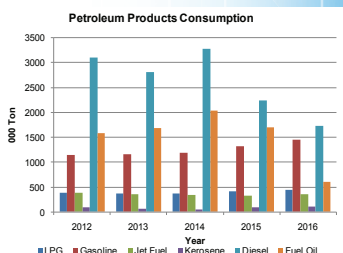
Final Energy Consumption

	2012	2013	2014	2015	2016
Transport	2520	2734	2558	2811	3184
Industrial	921	924	1079	991	1064
Household	1198	1109	1152	1272	1342
Services & Others	744	617.1	718	754	826
Total (000 Toe)	5383	5384.1	5507	5828	6416



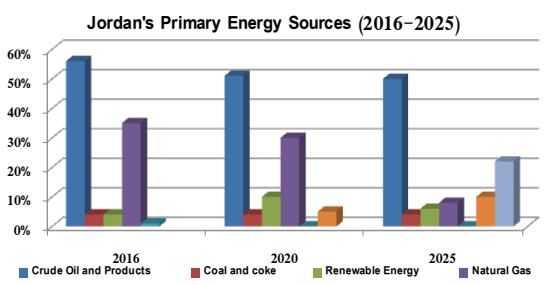
Petroleum Products Consumption (000 Ton)

	2012	2013	2014	2015	2016
LPG	377	368	371	416	434
Gasoline	1147	1161	1187	1319	1446
Jet Fuel	379	357	339	321	355
Kerosene	81	63	49	91	108
Diesel	3103	2810	3274	2235	1726
Fuel Oil	1578	1679	2041	1705	606



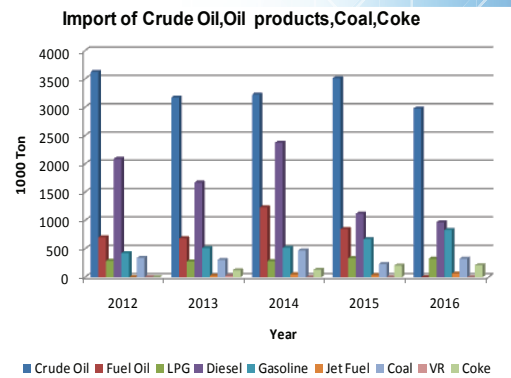
Jordan's Primary Energy Sources 2016-2025

	2016	2020	2025
Crude Oil and Products	56%	51%	50%
Coal and coke	4%	4%	4%
Renewable Energy	4%	10%	6%
Natural Gas	35%	30%	8%
Electricity Imports	1%	0%	0%
Oil Shale		5%	10%
Nuclear			22%



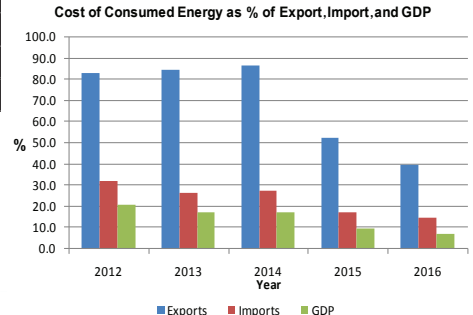
Import of Crude Oil ,Oil products,Coal,Coke (000 Tons)

	2012	2013	2014	2015	2016
Crude Oil	3623	3170	3221	3513	2978
Fuel Oil	703	685	1232	848	0
LPG	288	280	282	335	327
Diesel	2089	1670	2373	1121	967
Gasoline	426	515	520	670	832
Jet Fuel	1	27	51	34	64
Coal	340	306	474	231	327
VR	0	23	0	0	0
Coke	0	123	130	203	210
Total	7130	6799	8283	6955	5705



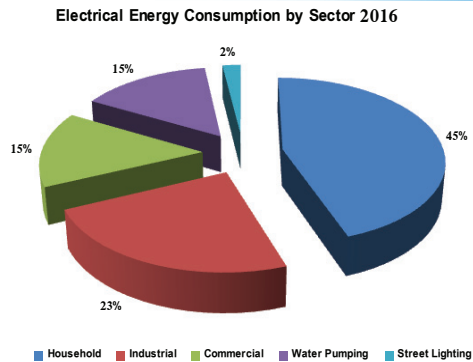
Cost of Consumed Energy

Year	Cost of Consumed Energy (Million JD)	Cost of Consumed Energy Related to		
		Exports%	Imports%	GDP%
2012	4631	82.7	31.5	21.1
2013	4076	84.8	26.3	17.1
2014	4480	86.8	27.7	17.6
2015	2532	52.8	17.5	9.7
2016	1924	39.7	14.1	7.0



Electricity Consumption (GWh)

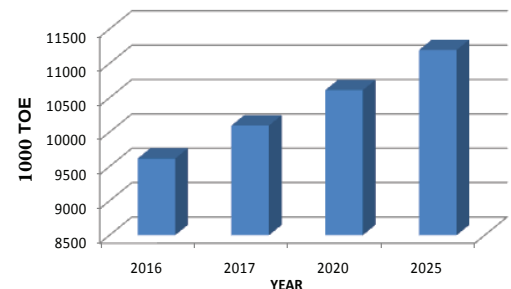
	2012	2013	2014	2015	2016
Household	6126	6265	6580	6938	7448
Industrial	3461	3541	3877	4012	3939
Commercial	2427	2415	2358	2460	2447
Water Pumping	1955	2076	2287	2426	2485
Street Lighting	305	291	316	337	350
Total	14274	14588	15418	16173	16669



Energy and Electricity Demand Forecast

Primary Energy			Max. Demand		Electrical Energy	
TOE			MW	Growth%	Gwh	Growth%
2016	9615	7	3250	-1	19390	2.5
2017	10096	5.0	3284	3.7	19975	4.1
2020	10611	5.1	3726	4.3	23063	5
2025	11195	5.5	4658	4.5	29593	5.1

Primary Energy Demand Forecast (2016-2025)



FACTS

- Pursue construction of strategic storage capacities for crude oil and oil products and LPG in Aqaba and in the middle of the Kingdom to be operated during 2017.
- The contribution capacity of natural gas imported via Sheikh Sabah Al Ahmad Terminal in Aqaba has amounted to 88% of the total electricity generated in the Kingdom.
- The Cabinet has approved the mechanism of supplying the industrial sector with natural gas in the Kingdom.
- The capacity of renewable energy projects (solar & wind) being constructed, under constructed or under developed have amounted to 1350 MW.
- The capacity of small scale of RE systems (Net Metering,Weeling) have amounted to 100 MW.
- The rehabilitation of Hussein Thermal Power Station project agreements were signed in 21/12/2015 with a capacity of 485 MW and a total cost of million USD 470, expected to be commercially operated in the second half of 2018.
- The financial closure date through direct combustion of oil shale in Attarat announced on 16/3/2016. The Company started the buildings of the project with a total capacity of 470 MW and it will be produced in 42 months .
- The Jordan Renewable Energy and Energy Efficiency Fund (JREEEF) is implementing a comprehensive strategy, including programs targeted to the particular needs of households, communities, businesses and industry throughout the Kingdom. JREEEF's strategy and programs are designed to achieve goals of the National Energy and the National Energy Efficiency Action Plan (NEEAP), including reducing energy demand and increasing investment in renewable energy. JREEEF implements there programs in close cooperation with international Donor agencies, Banks and microfinance organizations, electric distribution companies, and local community -based organization (CBOs).

Ministry of Energy and 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