



# MINISTRY OF ENERGY AND MINERAL RESOURCES

ENERGY 2014 - Facts & Figures

## General Indicators

	2009	2010	2011	2012	2013
Population (000)	5980	6113	6250	6388	6530
GDP (Million JD) at current price	17815.6	19527.9	20477	21965	23852
GDP Per Capita (JD)	2979	3194	3276	3432	3653
Energy Intensity (Kgoe/1000\$ in fixed price)	212	210	209	208	208
Per Capita Primary Energy Consumption (kgoe)	1294	1204	1193	1247	1249
Per Capita Consumption of Electricity (kwh)	1999	2101	2166	2230	2235
Percentage of Population Supplied with Electricity(%)	99.9	99.9	99.9	99.9	99.9

## Abbreviations

GDP	Gross Domestic Product
JD	Jordan Dinar (1000 Fils)
JD 1	\$ 1.41 in 2013
kgoe	Kilogram Oil Equivalent
TOE	Ton Oil Equivalent
MW	Megawatt (1000 KW)
GWh	Gegawatt-hour (106 KWh)
CF	Cubic Feet
Energy Intensity	Energy required to Produce one unit from GDP Constant prices

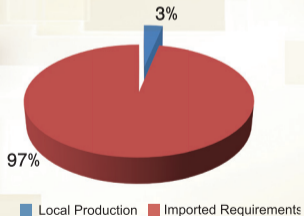
## Jordan Energy Balance ( 000 TOE ) Year 2013

Sector	Crude Oil	Fuel Oil	Diesel	Gasoline	LPG	Kerosene	Jet Fuel	VR	Other	Total Oil	Coal	Coke	L Coke	N. gas	Electricity	Solar Energy	Total Energy
Indigenous Production	0.8									0.8				111.5	16.0	145.0	273.4
Imports	3173.4	662.6	1702.1	536.3	310.9		27.9	32.0		6445.2	203.9	106.9	9.0	795.2	95.3		7655.5
Exports															14.7		14.7
Bunkers		4.4	2.7				0.8			8.0							8.0
Stock Changes	-41.2	-71.6	-82.6	-12.1	-6.2	-29.8	-4.3		-3.2	-250.9							-250.9
<b>Primary Energy Supply</b>	<b>3215.4</b>	<b>729.9</b>	<b>1782.0</b>	<b>548.4</b>	<b>317.1</b>	<b>29.8</b>	<b>31.3</b>	<b>32.0</b>	<b>3.2</b>	<b>6689.0</b>	<b>203.9</b>	<b>106.9</b>	<b>9.0</b>	<b>906.7</b>	<b>96.6</b>	<b>145.0</b>	<b>8157.2</b>
Oil Sector	-3215.4	870.0	998.4	690.6	87.1	35.2	337.2		96.3	-100.6							-100.6
Electricity		1287.1	1408.3							-2695.3				-906.7	1454.4		2147.6
Transp. & Dist. Losses															203.5		203.5
Cons. Energy Supply		155.8	3.7						46.6	206.1					60.20		266.3
<b>Final Energy Consump.</b>	<b>0.0</b>	<b>157.0</b>	<b>1368.4</b>	<b>1239.0</b>	<b>404.2</b>	<b>65.1</b>	<b>368.5</b>	<b>32.0</b>	<b>52.8</b>	<b>3687.0</b>	<b>203.9</b>	<b>106.9</b>	<b>9.0</b>	<b>0.0</b>	<b>1254.6</b>	<b>145.0</b>	<b>5406.4</b>
Industry		139.0	118.2		10.6			32.0		299.8	203.9	106.9	9.0		304.5		924.1
Transport		4.4	1117.8	1243.0			368.5			2733.7							2733.7
Household			71.3		314.1	65.1				450.5					538.8	120.0	1109.3
Services			66.2		29.4					95.7					207.7	25.0	328.4
Others		13.7	21.4		50.0					85.1					203.6		288.7
Non-Energy use									52.8	52.8							52.8
Statistical Differences	0.0	-0.0	-26.6	-4.0	-0.0	0.0	0.0	0.0	0.0	-30.6	0.0	-0.0	0.0	0.0	-0.0	0.0	-30.6

### Local Production of Oil & Natural Gas

	2009	2010	2011	2012	2013
Crude Oil (000 Toe)	1.5	1.2	0.9	1.1	1
N.Gas (Billion CF)	7.8	6.5	6.4	5.8	5.3
Total (000 Toe)	163	138	135	122	112

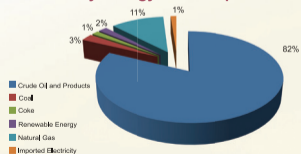
### Local Production Share of Total Energy Requirements 2013



### Primary Energy Consumption (000 Toe)

	2009	2010	2011	2012	2013
Crude Oil and Products	4453.7	4774	6141	6992	6689
Coal	0	0	0	226	204
Coke	0	0	0	0	116
Renewable Energy	137	141	130	140	145
Natural Gas	3086	2289	873	659	907
Imported Electricity	98	168	313	188	96
Total	7739	7357	7457	8205	8157

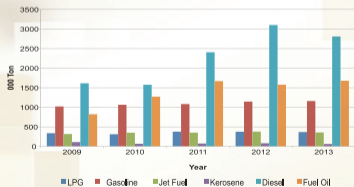
### Primary Energy Consumption 2013



### Petroleum Products Consumption (000 Ton)

	2009	2010	2011	2012	2013
LPG	339	312	378	377	368
Gasoline	1022	1065	1083	1147	1161
Jet Fuel	318	351	354	379	357
Kerosene	111	69	75	81	63
Diesel	1614	1577	2407	3103	2810
Fuel Oil	823	1273	1670	1578	1679

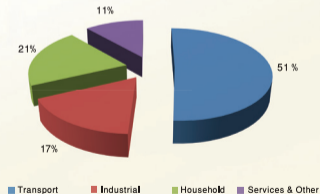
### Petroleum Products Consumption (2009-2013)



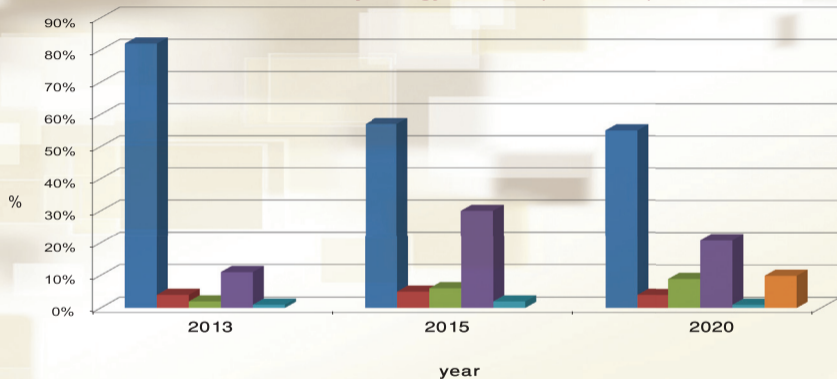
### Final Energy Consumption (000 Toe)

	2009	2010	2011	2012	2013
Transport	1952	1991	2012	2520	2734
Industrial	1101	1014	961	921	924
Household	1083	1019	1136	1198	1109
Services & Others	885	849	779	744	617
<b>Total</b>	<b>5021</b>	<b>4873</b>	<b>4888</b>	<b>5383</b>	<b>5384</b>

### Final Energy Consumption by Sector 2013



### Jordan's Primary Energy Sources (2013-2020)

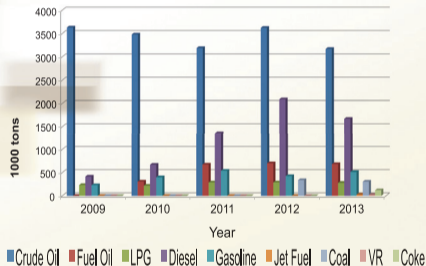


■ Crude Oil and Products ■ Coal and coke ■ Renewable Energy ■ Natural Gas ■ Electricity Imports ■ Oil Shale

### Import of Crude Oil , Oil Products , Coal , Coke (000 Ton).

	2009	2010	2011	2012	2013
Crude Oil	3630	3481	3189	3623	3170
Fuel Oil	—	307	674	703	685
LPG	234	219	288	288	280
Diesel	414	670	1361	2089	1670
Gasoline	231	400	540	426	515
Jet Fuel	1	1	1	1	27
Coal	0	0	0	340	306
VR	0	0	0	0	23
Coke	0	0	0	0	123
<b>Total</b>	<b>4510</b>	<b>5078</b>	<b>6137</b>	<b>7130</b>	<b>6799</b>

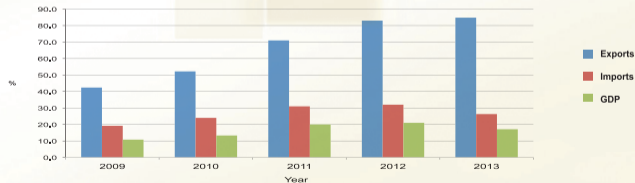
### Import of Crude Oil , Oil Products , Coal , Coke.



## Cost of Consumed Energy

Year	Cost of Consumed Energy (Million JD)	Cost of Consumed Energy Related to		
		Exports%	Imports%	GDP%
2009	1916	42.4	19.2	10.8
2010	2603	52.2	24	13.3
2011	4019	71.0	31	20
2012	4631	82.7	31.5	21.1
2013	4076	84.8	26.3	17.1

**Cost of Consumed Energy as a Percentage of Exports, Imports and GDP (%)**

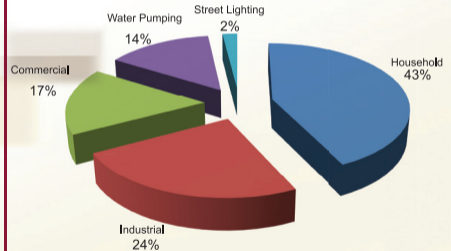




## Electricity Consumption (GWh)

	2009	2010	2011	2012	2013
Household	4926	5219	5548	6126	6265
Industrial	2981	3258	3445	3461	3541
Commercial	1978	2184	2269	2427	2415
Water Pumping	1761	1867	1939	1955	2076
Street Lighting	310	315	334	305	291
Total	11956	12843	13535	14274	14588

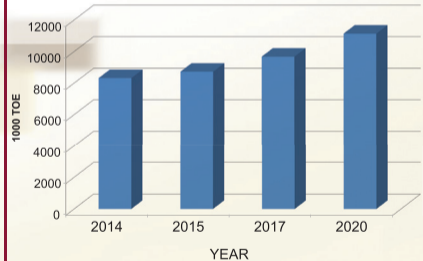
## Electrical Energy Consumption by Sector 2013



## Energy and Electricity Demand Forecast in Jordan

Primary Energy Demand Forecast  
(2014 - 2020)

Year	Primary Energy		Max. Demand		Electrical Energy	
	1000 toe	Growth (%)	MW	Growth (%)	GWh	Growth (%)
2014	8320	2.0	2915	10.0	18207	5.3
2015	8728	4.9	3096	6.2	19133	5.1
2017	9677	5.0	3482	6.1	21317	5.7
2020	11137	5.1	4198	6.7	25551	6.4



# F A C T S

- By the end of March 2014, all the (12) Power Purchase Agreements (PPA) for the (12) Solar PV power projects under the Direct Proposal Submission/ Stage 1 have been signed with total capacity of (200) MW and expected investment of (560) M US\$. Commercial production for these projects is expected in 2015, creating about (500) permanent jobs.
- On 18 November 2013, the Agreements for the first Wind Energy project in Jordan have been signed with JWPC consortium, with a capacity of (117) MW at Tafila and expected investment of (205) M JD. Commercial production for this project is expected by the end of 2015.
- On 6 August 2013, the Request for Expression of Interest (EOI) under the Direct Proposal Submission / second stage for renewable energy projects have been announced. On 14 November 2013, MEMR received (83) EOIs from interested firms. The third stages of submissions have been announced on 8 February 2014.
- On 22/9/2013 Aqaba oil terminal project has been awarded on CDIG company, and the EPC contract had been signed on 30/10/2013. The expected completion date of the project in May 2015.
- Technical and financial evaluation for Amman Strategic Reserve Terminal for Petroleum Products project (ASTPP) is being in progress. The expected completion date of the project in the second quarter of 2016.
- On 16 June 2013, the National Energy Efficiency Action Plan (NEEAP) has been approved for the period (2013–2014) from the capenite.

## Ministry of Energy and Mineral Resources

**P.O.Box 140027 - Amman 11814 Jordan**

**Tel. +962 6 5863326**

**+962 6 5803060**

**Telefax. +962 6 5865714**

**e-mail [memr@memr.gov.jo](mailto:memr@memr.gov.jo)**

**Website [www.memr.gov.jo](http://www.memr.gov.jo)**