



The Hashemite Kingdom of Jordan



Energy and Minerals Regulatory Commission

2015

Significant Figures for Energy & Minerals Sector in Jordan

	2015	2014	Growth Rate %
Average (kWh) Consumed Per Capita	1,685	2,358	-28.5
Percentage of Supplied Population	99.9%	99.9%	0.0
Total Transmission & Distribution Losses %	15.1%	14.8%	2.0
Number of licences Granted in Energy & minerals Sector	4,490	3,590	25.1
Number of Permits Granted in Radiation Sector	485	471	3.0
Number of Mining Rights Granted in Jordan	6	9	-33.3
Mineral Extracting Products (000 ton)	9,540	9,235	3.3
phosphate products (000 ton)	8,300	7,144	16.2
Potash products (000 ton)	2,355	2,091	12.6

Abbreviations

Gwh	GegaWatt Hour
Kwh	KiloWatt Hour
MW	MegaWatt
kW	KiloWatt
toe	Ton of Oil Equivalent
CEGCO	Central Electricity Generating Co.
SEPGCO	Samra Electric Power Generating Co.
AES	Amman East Power Plant.
QEPCO	Qatrania Electric Power Co
AAEPCO	Amman Asia Electric Power Co.
AES Levant	AES Levant Holding BV
NEPCO	National Electric Power Co.
JEPCO	Jordan Electric Power Co.
IDECO	Irbid District Electric Power Co.
EDCO	Electricity Distribution Co.

Imported Items in Energy & Minerals Sector

	2015	2014	2013
Imported Electrical Energy (GWh)	604	435	381
Imported Radiation Devices	406	329	277
Imported Radioactive Materials *	3,374	2,922	3,220

* Used by 80% in the medical field and they are safe materials

Number of Samples Examined in Energy & Minerals Sector

	2015	2014	2013
Number of Samples Examined of Minerals	232	332	318
Number of Samples Examined of Radioactive Materials	1,013	540	523



Exported Items in Energy & Minerals Sector

	2015	2014	2013
Exported Electrical Energy (GWh)	50	64	59
Number of Re Exported Radiation Devices	6	6	8
Number of Re Exported Radioactive Materials	21	33	67
Number of Radiation Devices Transported by Trnasit	11	8	0
Number of Radiation Materials Transported by Trnasit	994	2,299	4,693
Exported Mineral Extracting Products (000 ton)	690	644	726

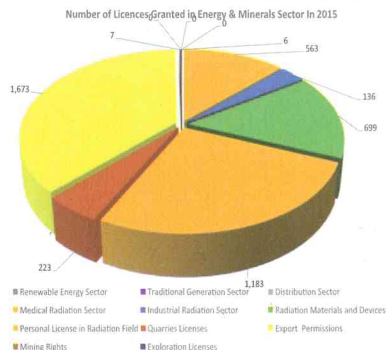
The Important Exported Mineral Extracting Products (000 ton)

	2015	2014	2013
Phosphate	4,200	4,600	3,200
Potash	2,189	1,492	1,210
Building Stone	343	244	247
Marble	9	11	9
(Calcium Carbonate)Pure limestone	374	345	322



Number of licences Granted in Energy & Minerals Sector according to it's Type

Number of licences Granted to :	2015	2014	2013
Renewable Energy Sector	0	13	1
Traditional Generation Sector	0	0	3
Distribution Sector	0	1	0
ReExported	563	395	203
Industrial Radiation Sector	136	86	148
Radiation Materials and Devices	699	481	351
Personal License in Radiation Field	1,183	1,095	511
Quarries Licenses	223	227	257
Export Permissions	1,673	1,275	1,766
Mining Rights	6	9	11
Exploration Licenses	7	8	17
Total	4,490	3,590	3,268



Number of Permission Granted in Radiation Sector

Number of permission granted for :	2015	2014	2013
Import of Radioactive Materials	266	266	277
Rexport of Radioactive Material	13	19	9
Transit of Radioactive Material	24	39	74
Import of Radiation Devices	172	138	120
Re Export of Radiation Devices	3	5	4
Transit of Radiation Revices	7	4	0
Total	485	471	484



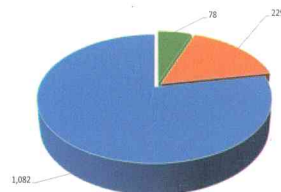
Number of inspection in Energy & Minerals Sector

	2015	2014	2013
Number of Inspection in Electricity Sector	78	477	-
Number of Inspection in Radiation Sector	229	150	100
Number of Inspection in Mining Sector	1,082	878	835
Total	1,389	1,505	935

Number of Evidence Records Released in Energy & Minerals Sector

	2015	2014	2013
Number of Evidence Records Released in Electricity Sector	5,616	93	0
Number of Evidence Records Released in Radiation Sector	43	14	11
Number of Evidence Records Released in Mining Sector	203	184	140
Total	5,862	291	151

Number of Inspection in Energy & minerals Sector



• Number of Inspection in Electricity Sector • Number of Inspection in Radiation Sector • Number of Inspection in Mining Sector

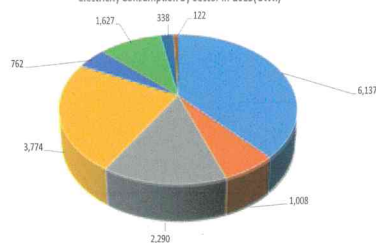
Electricity Consumption by Sector (GWh)

Sector	2015	2014	2013
Household	6,137	5,473	5,344
Governmental *	1,008	1,063	797
Commercial **	2,290	2,267	2,266
Industrial	3,774	3,886	3,567
Agricultural	762	893	821
Water Pumping	1,627	1,565	1,452
Streets Lighting	338	316	291
Others	122	128	243
Total	16,059	15,391	14,581
Growth Rate	4.3%	5.5%	

* Includes Jordan Armed Forces

** Includes Hotels and Radio & TV and Communication Sector

Electricity Consumption by Sector in 2015(GWh)



• Household • Governmental • Commercial • Industrial • Agricultural • Water Pumping • Streets Lighting • Others

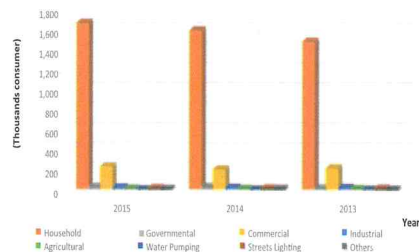
No. of Consumers by Sector (Thousands Consumer)

Sector	2015	2014	2013
Household	1,668	1,594	1,481
Governmental *	24	23	13
Commercial **	228	200	212
Industrial	18	17	17
Agricultural	8	8	7
Water Pumping	1	1	1
Streets Lighting	11	10	9
Others	6	8	3
Total	1,964	1,862	1,744
Growth Rate	5.5%	6.7%	

* Includes Jordan Armed Forces

** Includes Hotels and Radio & TV and Communication Sector

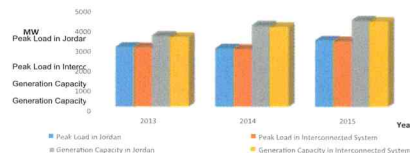
No. of Consumers by Sector (Thousands Consumer)



System Peak Demand & Generation Capacity (MW)

Year	Peak Load		Generation Capacity	
	Interconnected System	Jordan	Interconnected System	Jordan
2015	3,300	3,330	4,282	4,350
2014	2,900	2,929	4,014	4,085
2013	2,975	2,995	3,495	3,566

System Peak Demand & Generation Capacity (MW)



Number of Net Metering Customers & Installed Capacity on Grid

Company	2015				2014				2013			
	Total Number & total Installed Capacity		Number & Installed Capacity on Grid		Total Number & total Installed Capacity		Number & Installed Capacity on Grid		Total Number & total Installed Capacity		Number & Installed Capacity on Grid	
	NO.	Total Installed Capacity (kW)	NO.	Total Installed Capacity (kW)	NO.	Total Installed Capacity (kW)	NO.	Total Installed Capacity (kW)	NO.	Total Installed Capacity (kW)	NO.	Total Installed Capacity (kW)
JEPCO	1,502	78,000	1,026	30,000	475	27,057	210	3,675	347	11,732	280	6,243
IDECO	374	10,080	234	2,459	56	1,406	21	161	74	1,068	69	460
EDCO	170	4,496	46	576	78	7,873	30	606	50	1,346	47	1,292
Total	2,046	92,586	1,306	33,026	609	36,336	261	4,462	471	14,146	396	7,995

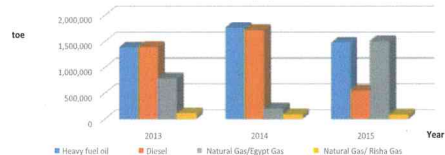
Fuel Consumption (toe)

	2015	2014	2013
Heavy fuel oil	1,476,889	1,767,174	1,390,710
Diesel	560,755	1,727,259	1,400,570
Natural Gas/Egypt Gas	1,509,088	205,702	795,725
Natural Gas/ Risha Gas	90,841	96,618	111,587
Total	3,637,573	3,796,753	3,698,592

Electrical Energy Generated by Type of Generation (GWh)

	2015	2014	2013
Heavy Fuel Oil	6,488	7,442	5,596
Diesel	2,567	7,177	7,263
Natural Gas	7,986	3,276	4,339
Steam Units	1,618	-	-
Renewable Energy	183	66	63
Total	18,841	17,961	17,261

Fuel Consumption (toe)

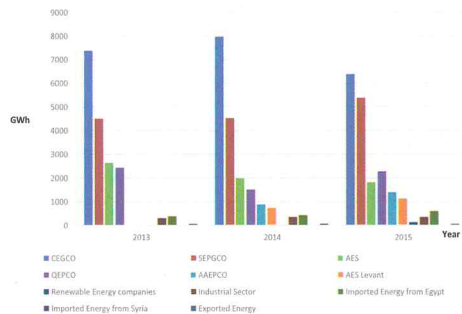


Generated & Imported Electrical Energy (GWh)

	2015	2014	2013
CEGCO	6,383	7,964	7,381
SEPGCO	5,373	4,520	4,499
AES	1,826	1,988	2,640
QEPCCO	2,274	1,509	2,437
AAEPCCO	1,401	892	0
AES Levant	1,118	730	0
Renewable Energy companies	123	0	0
Industrial Sector *	344	356	305
Total of Generated Electrical Energy in Jordan	18,718	17,261	16,595
Imported Energy from Egypt	604	435	381
Imported Energy from Syria	0	0	0
Exported Energy	50	64	59
Total of available Energy	19,395	17,632	16,918
Growth Rate for Total Available Energy	5.8%	4.3%	
Growth Rate for Total Generated Energy	4.9%	4.1%	

* Includes Generation from king Talal Dam and Bio-gas co.

Generated & Imported Electrical Energy (GWh)



Electricity Tariff (Fils / kWh)

Retail Tariff	From 16/02/2015 to 31/12/2015
Household Tariff:	
From 1-160 kWh / Month	33
From 161-300 kWh / Month	72
From 301-500 kWh / Month	86
From 501-600 kWh / Month	114
From 601-750 kWh / Month	158
From 751-1000 kWh / Month	188
More than 1000 kWh / Month	265
Standard Domestic Tariff:	
From 1-160 kWh / Month	42
From 161-300 kWh / Month	92
From 301-500 kWh / Month	109
From 501-600 kWh / Month	145
From 601-750 kWh / Month	169
From 751-1000 kWh / Month	190
More than 1000 kWh / Month	266

TV and Broadcasting	173
Commercial Sector	
From 1-2000 kWh / Month	129
More than 2000 kWh / Month	181
Banking Sector	
285	
Telecommunication Sector	
From 1-2000 kWh / Month	257
More than 2000 kWh / Month	300
Small Industrial Sector	
From 1-10000 kWh / Month	71
More than 10000 kWh / Month	81
Medium Industrial Sector	
Night Energy	75
Day Energy	89
Maximum Load (JD / kW / Month)	3.79
Principal Consumers (Mining & Quarrying Industries) :	
Night Energy	197
Day Energy	264
Maximum Load (JD / kW / Month)	2.98

Principal Consumers (other Industries) :	
Night Energy	109
Day Energy	133
Maximum Load (JD / kW / Month)	2.98
Agriculture (Flat Tariff)	
60	
Three Part Tariff for Agriculture :	
Night Energy	49
Day Energy	59
Maximum Load (JD / kW / Month)	3.79
Water Pumping	
94	
Hotels (Flat Tariff)	
181	
Three Part Tariff for Hotels :	
Night Energy	145
Day Energy	164
Maximum Load (JD / kW / Month)	3.79
Ports Sector	
159	
Streets Lighting	
114	
Jordan Armed Forces	
146	
Mixed Tariff Commercial/Agricultural	
106	
Minimum Charge for Household & Domestic Consumers (JD) / Month	
1	
Minimum Charge for Other Consumers (JD) / Month	
1.25	

* This tariff was applied from 16/02/2015 till 30/04/2014. The EMRC's council of commissioners approved to apply the medium industrial sector tariff on hotels sector for the period from 15/2014 till the end of 2016 taking into consideration any further changes in medium industrial sector tariff.

Tips for Electricity Conservation and Bill Reduction:

1. Don't leave lamps and equipments (ON) when leaving home.
2. Taking advantage of daylight lighting in your home and office helps in rationalizing electricity consumption.
3. Thermal insulation for buildings reduces the electricity bill.
4. Use energy-saving lamps wherever possible.

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