



MINISTRY OF ENERGY AND MINERAL RESOURCES

Country Report/Jordan

“Energy Policy”

June 2026

Jordan Overview



Jordan Overview



Total Area	Around 89,318 square kilometers
Population (2023)	More than 11.5 Millions
Time	GMT +3
Capital	Amman
GDP per Captia (USD)	4546 USD
Language	Arabic



Jordan Overview

Main Industries

Fertilizer, potash, phosphate mining, pharmaceuticals, petroleum refining, cement, inorganic chemicals, light manufacturing

Country's Official Currency

Jordanian Dinar
1 JOD = 1.41 USD



Main Tourist Attraction

Petra, the Rose City



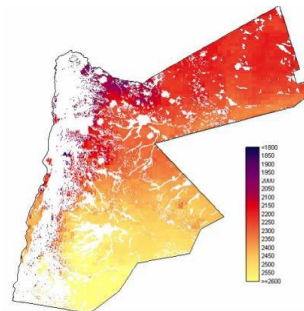
Energy Situation in Jordan- 2024



**Cost of consumed
energy (7.9% of
GDP)**



**High dependency on
imported energy (74%)**



**High radiation: 5-7
KWh/m2
+300 Sunny days**



**Wind speed can reach
9m/s**



**Installed
Capacity
(Conventional)
4443 MW**



**Installed Capacity
(Renewable):
2840.5 MW**



**Peak Load
4100 MW**



**Renewables
Contribution to Gen.
Electricity: 26.9%**



Organizational structure

Ministry of Energy and Mineral Resources

Energy and Minerals Regulatory Commission (EMRC)

NEPCO - National Electric Power Company

Electricity generation companies

Electricity distribution companies

National Petroleum Company

Jordan Oil Terminals Company

Jordan Petroleum Refinery Company

Oil derivatives marketing companies



Energy Balance 2024

Sector (ktoe)	Crude Oil	LPG	Gasoline	Kerosene	Jet Fuel	Diesel	Fuel Oil	Other	Total Oil Products	Coal	L. Coke	Oil Shale	N. Gas	Electricity	Solar Energy	Bio Mass	Total
Indigenous Production	3.6								0.0			968.6	152.5	1235.6	223.7	26.0	2610.1
Imports	1868.9	537.8	808.9	23.1	22.1	946.4	0.0	0.0	2338.2	54.1	0.0		3085.4	22.7		26.9	7396.3
Exports							0.0	0.0	0.0				0.0	-22.9			-22.9
Bunkers				0.0	0.0	0.0			0.0								0.0
Stock Changes	117.1	3.1	-6.9	4.6	12.0	-16.4	24.2	6.8	27.4								144.5
Primery Energy Supply	1989.6	540.9	802.0	27.7	34.0	930.0	24.2	6.8	2365.6	54.1	0.0	968.6	3237.9	1235.4	223.7	52.9	10128.0
Electricity						0.0	0.0		0.0			-968.6	-2986.4	1655.5			-2299.5
Power Plant Own Use						0.0	-3.0		-3.0				-86.3	-5.8			-95.1
Oil refinery	-1989.6	85.7	586.9	57.3	332.3	603.6	197.5	121.9	1985.2					0.0			-4.4
Own Use					0.0	0.0	-159.6	0.0	-159.6	-5.7				-8.1			-173.0
Trans. & Dist. Losses									0.0					-264.5			-264.5
Inland Demand	0.0	626.6	1388.97	85.1	366.3	1533.5	59.1	128.7	4188.3	48.4	0.0	0.0	165.3	2612.5	223.7	52.9	7291.0
Final Energy Consumption	0.0	649.0	1375.0	85.1	346.4	1580.8	111.4	128.3	4275.9	48.4	0.0	0.0	251.6	2004.0	223.7	52.9	6855.8
Industrial		15.4				127.0	111.4		253.7	48.4	0.0		251.6	406.5			960.2
Transport			1374.3		346.4	1096.7	0.0		2817.4					2.3			2819.7
Commercial & Services		97.8				70.6			168.4					420.6	49.3	21.8	660.1
HouseHolds		507.7		85.1		93.6			686.4					871.5	174.5	31.1	1763.4
Other Sectors		28.1				192.8			221.0					303.1			524.1
Non energy Use								128.3	128.3					0.0			128.3





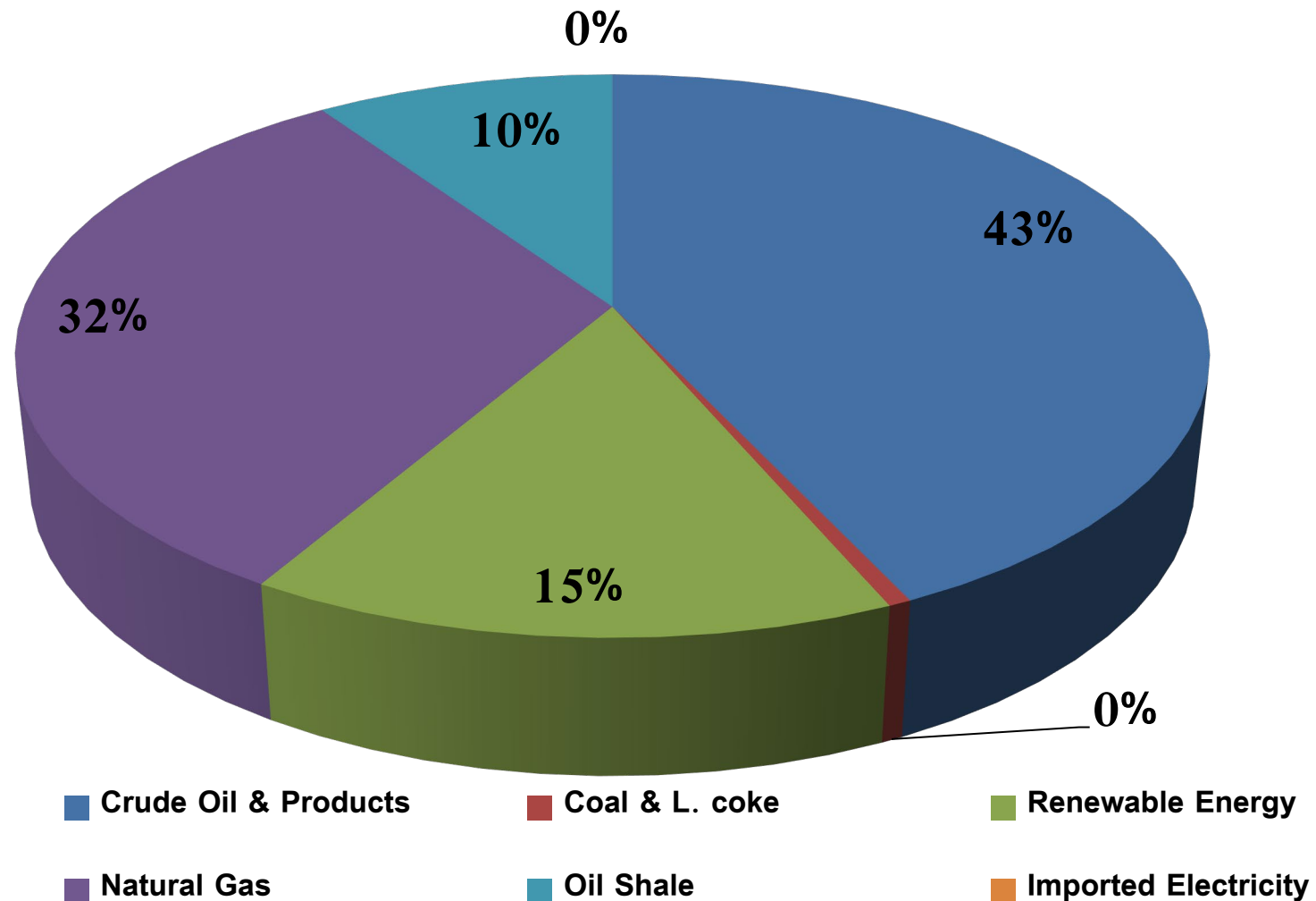
Primary Energy Supply (ktoe)

	2020	2021	2022	2023	2024
Crude Oil & Products	4,121	3,966	4,245	4,425	4,355
Coal & L. coke	153	226	226	111	54
Renewable Energy	982	1,245	1,373	1,389	1,512
Natural Gas	3,311	3,270	3,509	3,039	3,238
Oil Shale			112	806	969
Imported Electricity	16	19	6	23	-0.2
Total Primary Energy Supply	8,583	8,726	9,471	9,792	10,128





Primary Energy Supply 2024





Imports & Local Production

Local Production of Oil & Natural Gas (ktoe)

	2020	2021	2022	2023	2024
Crude Oil	2.5	14.3	13	6	3.6
Natural Gas	133	163	134.6	153	152.5
Total	135.5	177	148	159	156

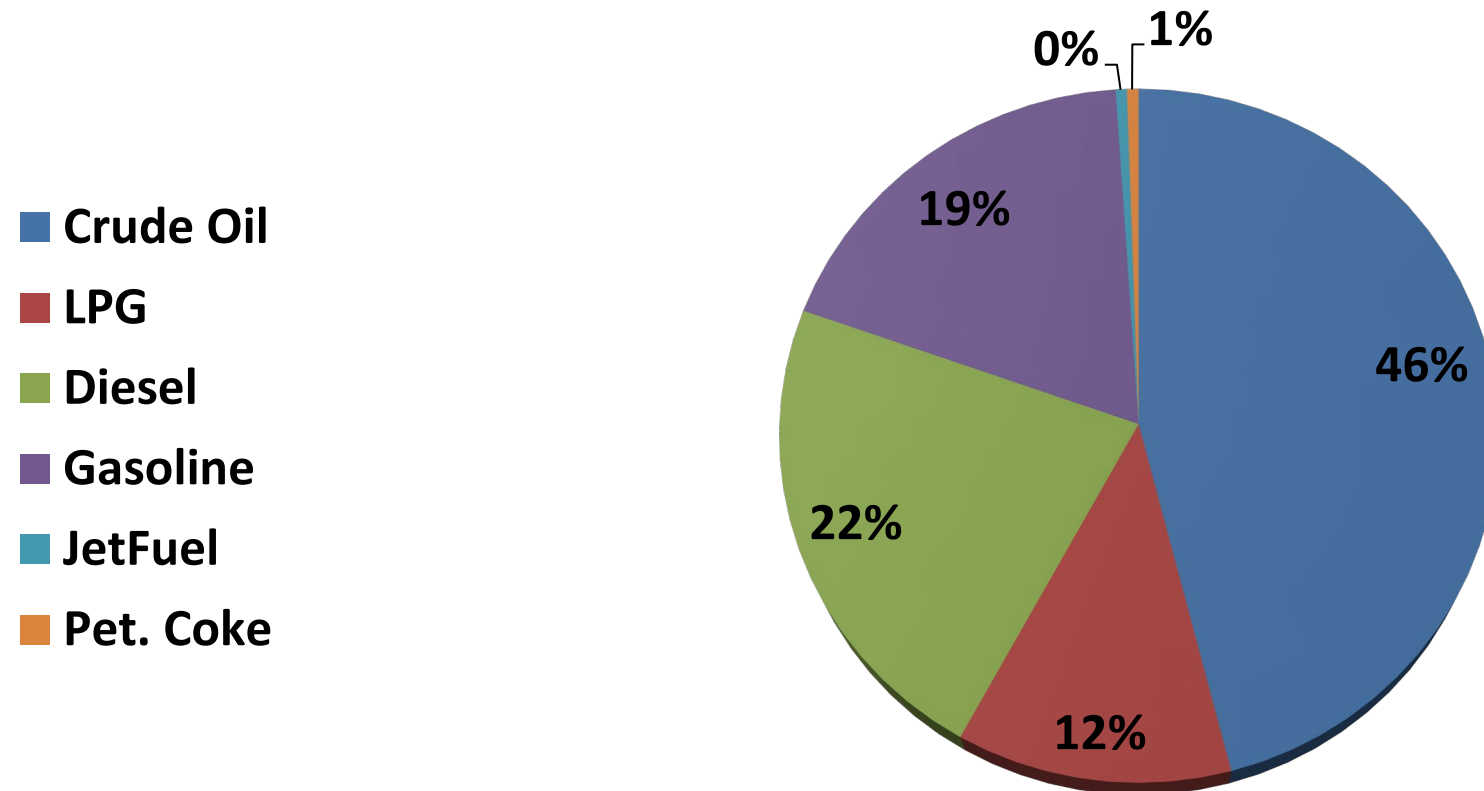
Imports of Crude Oil, Oil Products (kTons)

	2020	2021	2022	2023	2024
Crude Oil	2,074	1,757	1,805	1,776	1,871
LPG	409	377	475	474	489
Diesel	910	914	1,098	1,002	910
Gasoline	773	899	911	893	756
JetFuel	0	16	74	41	21
Kerosene	5	23	31	22	22





2024 Imports of Crude Oil, Oil Products





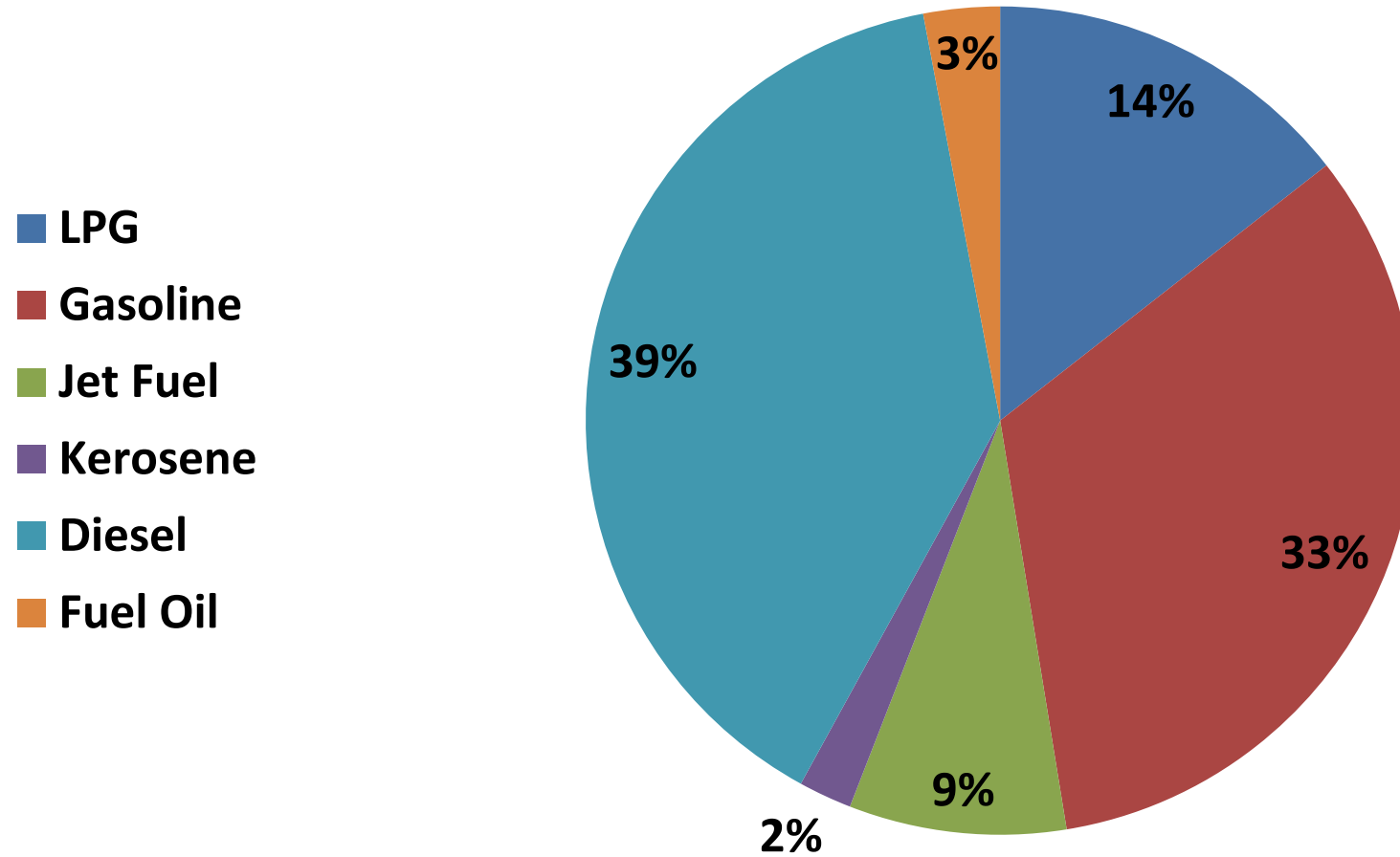
Petroleum Products Consumption

Petroleum Products Consumption (kTon)					
	2020	2021	2022	2023	2024
LPG	464	438	545	497	562
Gasoline	1,139	1,342	1,365	1,320	1,285
Jet Fuel	137	211	293	265	330
Kerosene	83	77	69	98	81
Diesel	1,313	1,365	1,596	1,495	1,520
Fuel Oil	145	176	114	174	116





Petroleum Products Consumption 2024





Segmental Distribution of Final Energy Consumption (kToe)

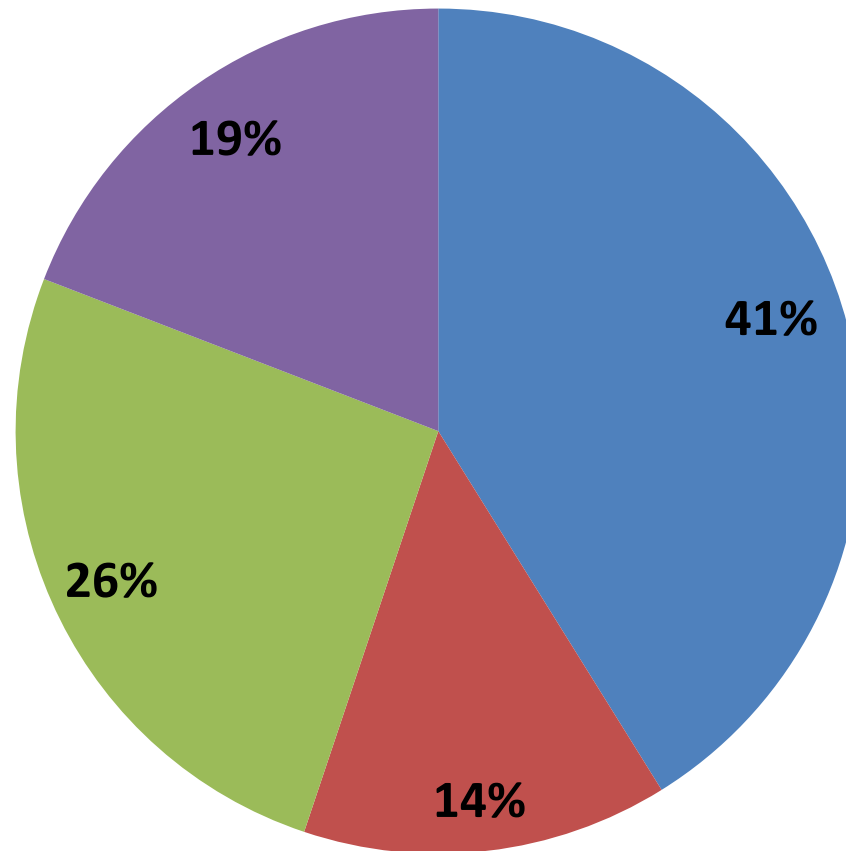
	2020	2021	2022	2023	2024
Transport	2,308	2,677	2,924	2,776	2,820
Industrial	935	1,017	1,079	1,048	960
HouseHold	1,487	1,520	1,518	1,630	1,763
Services & Others	1,045	1,312	1,235	1,188	1,312
Total (kToe)	5,774	6,402	6,756	6,643	6,856





2024 Segmental Distribution of Final Energy Consumption

- Transport
- Industrial
- HouseHold
- Services & Others





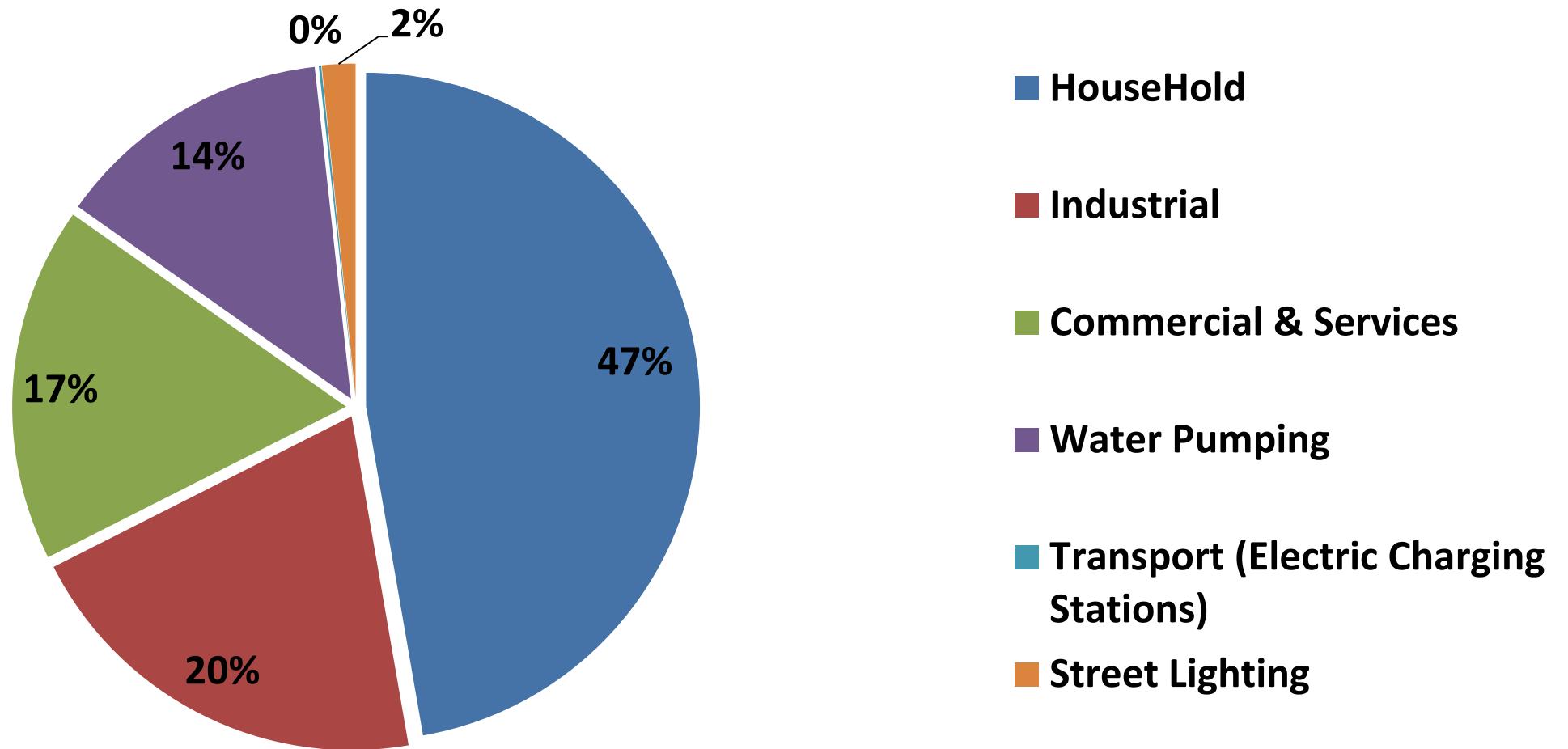
Electricity Consumption (GWH)

	2020	2021	2022	2023	2024
HouseHold	9,100	9,269	9,863	10,037	11,014
Industrial	3,489	4,049	4,370	4,744	4,726
Commercial & Services	2,584	2,831	3,019	3,635	4,010
Water Pumping	2,866	2,767	2,917	2,866	3,147
Transport (Electric Charging Stations)	..	..	7	16	27
Street Lighting	387	390	408	470	377
Total	18,425	19,306	20,584	21,769	23,302



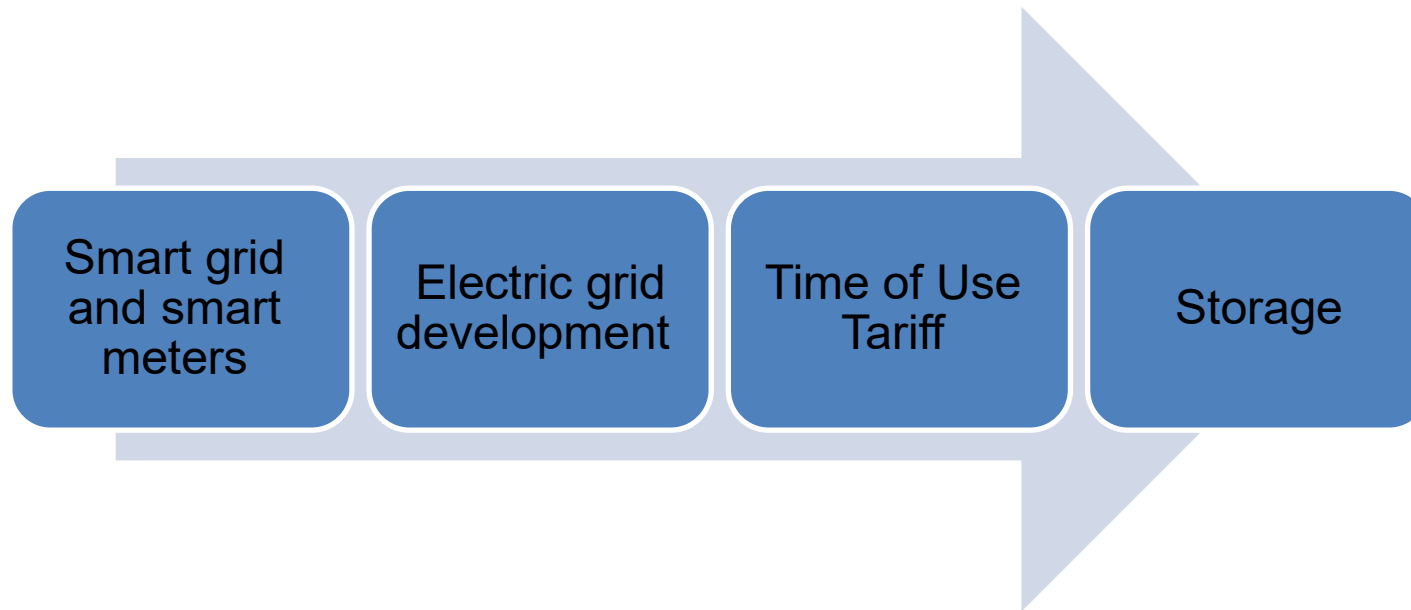


2024 Electricity Consumption





Jordan Energy Strategy (2025-2035)



40%
Share of RES in electricity generation
2035





Outlook of energy demand and supply (kToe)

ktoe		2026	2027	2028	2029	2030
Primary Production		2496	2702	3722	5728	6596
Coal		0	0	0	0	0
Crude Oil		4	4	4	4	4
Oil Shale		888	888	888	888	888
N. Gas		678	861	1807	3813	4548
Nuclear		0	0	0	0	0
Renewable Energy Sources		927	950	1023	1023	1156
of which	Hydro	2	2	2	2	2
	Biomass/Biofuels	21	21	21	19	20
	Wind	159	154	179	179	131
	Solar	744	772	820	823	1003
	Geothermal	1	1	1	1	1
	of which RES Primary Production for hydrogen production	0	0	0	0	30
Imports		7654	7606	6945	6639	6312
Coal		65	52	45	29	13
Crude Oil and Oil products		4594	4407	4465	4487	4176
N. Gas		2935	3085	2383	2070	2070
Nuclear		0	0	0	0	0
Electricity		29	29	18	18	18
	Imports Electricity in GWh	335	333	213	213	213
Biomass/Biofuels		31	32	33	34	35
Exports		14	14	14	1444	1659
Coal		0	0	0	0	0
Shale Oil and Oil products		0	0	0	0	0
N. Gas		0	0	0	1430	1621
Nuclear		0	0	0	0	0
Electricity		14	14	14	14	14
	Exports Electricity in GWh	-160	-160	-160	-160	-160
Biomass/Biofuels		0	0	0	0	0
Hydrogen/Ammonia		0	0	0	0	24
Bunkers		0	0	0	0	0
Oil products		0	0	0	0	0
Primary Energy Supply (Gross Inland Consumption)		10136	10294	10652	10923	11243





Outlook of Electricity Production by Type of Plant [GWh]

Electricity Production by Type of Plant [GWh]											
		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Oil Shale		3294	3294	3294	3294	3294	3294	3294	3294	3294	3294
N. Gas		16067	16943	17490	17581	17312	17419	17845	18112	17676	17648
Biogas		28	28	28	19	19	19	19	19	28	28
Hydro		22	22	22	19	19	19	19	22	22	22
Wind		1797	1797	2079	2079	1520	1800	1889	2079	2310	3020
PV		5816	6145	6720	6829	8591	8833	9455	10126	10564	10892
Total		27023	28228	29633	29822	30755	31383	32522	33652	33893	34904
Additional Electricity generated for electrolyzers (GWh)		0	0	0	0	352	4505	8658	12811	16964	21117
Wind		0	0	0	0	0	0	0	0	0	3379
PV		0	0	0	0	352	4505	8658	12811	16964	17737





Outlook of Final Energy Consumption (kToe)

		2026	2027	2028	2029	2030
Final Energy Consumption		7130	7195	7502	7589	7589
Per sector						
	Industry	1188	1207	1378	1399	1428
	Residential	1670	1626	1666	1650	1566
	Commercial and Services	649	660	677	694	683
	Agriculture and Water Pumping	553	568	583	596	610
	Transport	3071	3134	3199	3250	3302
Per fuel						
	Coal	65	52	45	29	13
	Oil Products	4253	4062	4116	4134	3550
	N. Gas	348	519	660	717	1231
	Electricity	2116	2210	2317	2340	2415
	RES	349	352	366	368	380
	Hydrogen	0	0	0	0	0





Share of Electricity Generation by plant type

		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Share of Renewables in Electricity Generation (%)		28%	28%	30%	30%	33%	34%	35%	36%	38%	40%
Share of Electricity Generation by plant type:											
Oil Shale		12%	12%	11%	11%	11%	10%	10%	10%	10%	9%
N. Gas		59%	60%	59%	59%	56%	56%	55%	54%	52%	51%
Wind		7%	6%	7%	7%	5%	6%	6%	6%	7%	9%
PV		22%	22%	23%	23%	28%	28%	29%	30%	31%	31%





Imports Ktoe

Imports Ktoe											
		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Coal		65	52	45	29	13	13	13	12	12	11
Crude Oil and Oil products		4594	4407	4465	4487	4176	4204	4237	4255	4290	4286
N. Gas		2935	3085	2383	2070	2070	2070	2070	2070	2070	2070
Imports Electricity in GWh		335	333	213	213	213	213	213	213	213	213
Biomass/Biofuels		31	32	33	34	35	36	37	38	39	40
Total		7654	7606	6945	6639	6312	6341	6375	6393	6428	6425
Undiscounted Annual Costs Expenditure (mil \$ 2023)											
Fuel Costs Imports		5586	5367	5201	5111	3427	3452	3483	3500	3532	3530





Exports

Exports											
		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Exports Electricity in GWh		-160	-160	-160	-160	-160	-160	-160	-250	-160	-251
Hydrogen/Ammonia in Ktoe		0	0	0	0	24	306	588	869	1151	1433
Net Self-sufficiency due to oil shale		8.17%	8.02%	7.72%	7.53%	7.24%	6.65%	6.23%	5.90%	5.66%	5.42%
Net Self-sufficiency due to RES		15.58%	15.85%	16.61%	16.31%	18.00%	22.95%	27.78%	32.39%	36.74%	40.98%
Contribution to Net Self-Sufficiency due to GH2 exports		0.00%	0.00%	0.00%	0.00%	0.19%	2.29%	4.13%	5.77%	7.34%	8.75%
Undiscounted Annual Costs Expenditure (mil \$ 2023)											
O&M Electricity Prod.		64	73	82	85	136	150	166	182	201	240
Annualized Investment Electricity Prod.		32	129	198	229	355	496	645	791	954	1155





Outlook of Emissions (kt)

			2026	2027	2028	2029	2030
CO2 Equivalent Emissions (kt)			24719	24460	24852	24897	24446
		Electricity Production	11133	11433	11680	11721	11599
		Energy Sector	420	422	423	425	750
		Industry	1093	647	580	436	288
		Residential	1695	1517	1521	1509	984
		Commercial, Services, Public Sector	548	436	449	461	328
		Agriculture	701	724	749	771	793
		Transport	9130	9281	9449	9576	9704





Challenges

- **Finance**
- **Technical Challenges**
- **Energy security in the context of geopolitical conditions**





Thank You

谢谢