

Petroleum data for the State of Kuwait

2019-2022

The State of Kuwait is interested in developing the oil sector and improve the efficiency of its use to achieve the optimal value of Kuwaiti hydrocarbon resources, meet the local energy needs and continue the development of all aspects of these vital industries.

The oil and gas sector have been observed to have gone through tremendous fluctuations and exceptional challenges during the years 2020-2021. As the Corona virus pandemic has greatly affected our lives and the global economy, which has led to a contraction in energy demand. As a result of the closures and embargoes that were imposed brought oil and gas prices down to their lowest levels which also led to most oil and gas companies taking crucial decisions including sharply reducing expenses, capitalism and operationalism in a straggle to achieve financial stability, which imposed significant impact on the economy.

First: Crude Oil (2019-2022):

Crude oil production increased in 2022 compared to 2019 by approximately 1%, and it should be noted that the upmost commitment of the State of Kuwait to abide of the decisions of the organisation OPEC regarding setting the production ceiling for all member states of the organization.

The total consumption of crude oil in 2022 also increased significantly from 2019 as a result of the increase in demand for electric power and water, as it is noted that the demand for electric power and water will rise during In 2020 due to the Corona delinquency and as a result of the precautionary measures taken by the State of Kuwait to prevent the spread of The epidemic imposed a total ban on citizens and residents of the country.

On the other hand, the decrease in crude oil exports in 2022 compared to 2019 was only approximately 7%.

Table (1)

Unit: thousand barrel/day

Year	production	consumption	export
2019	2,678	9.79	1,986
2020	2,439	68.80	1,898
2021	2,414	31.99	1,820
2022	2,706	25.80	1,843

Graph (1)

Crude Oil

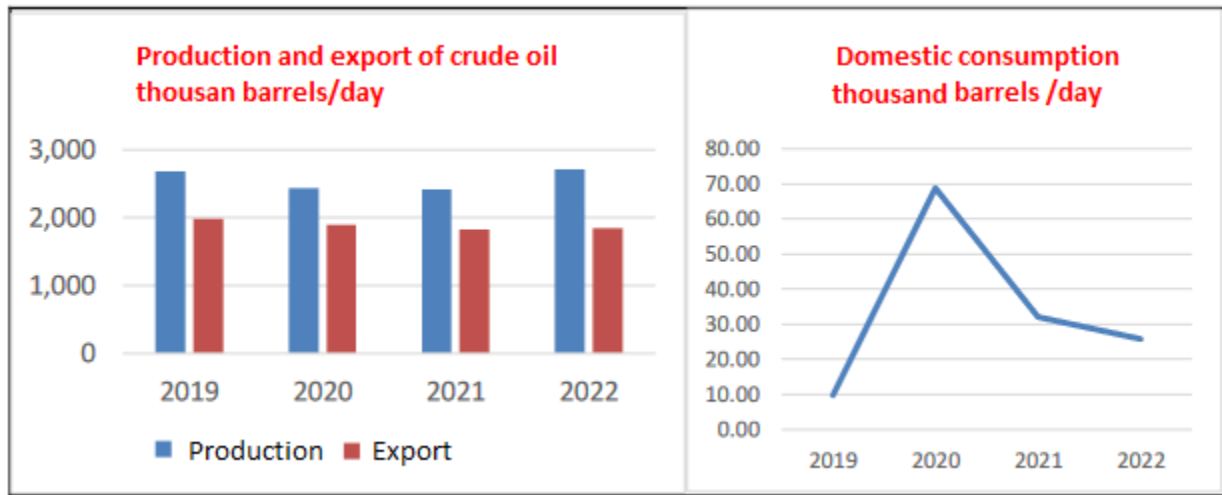


Table (2)
Destinations of Kuwait's exports of crude oil
(%)

	2019	2020	2021	2022
North America	7.72			
Latin America				
Europe	0.82	2.04		
Africa	3.42	4.72	2.70	3.03
Middle East				
Asia and Australia	88.04	93.24	97.30	96.97
Other				
Total	100	100	100	100
Amount: 1000 barrels/day	1986	1898	1820	1843

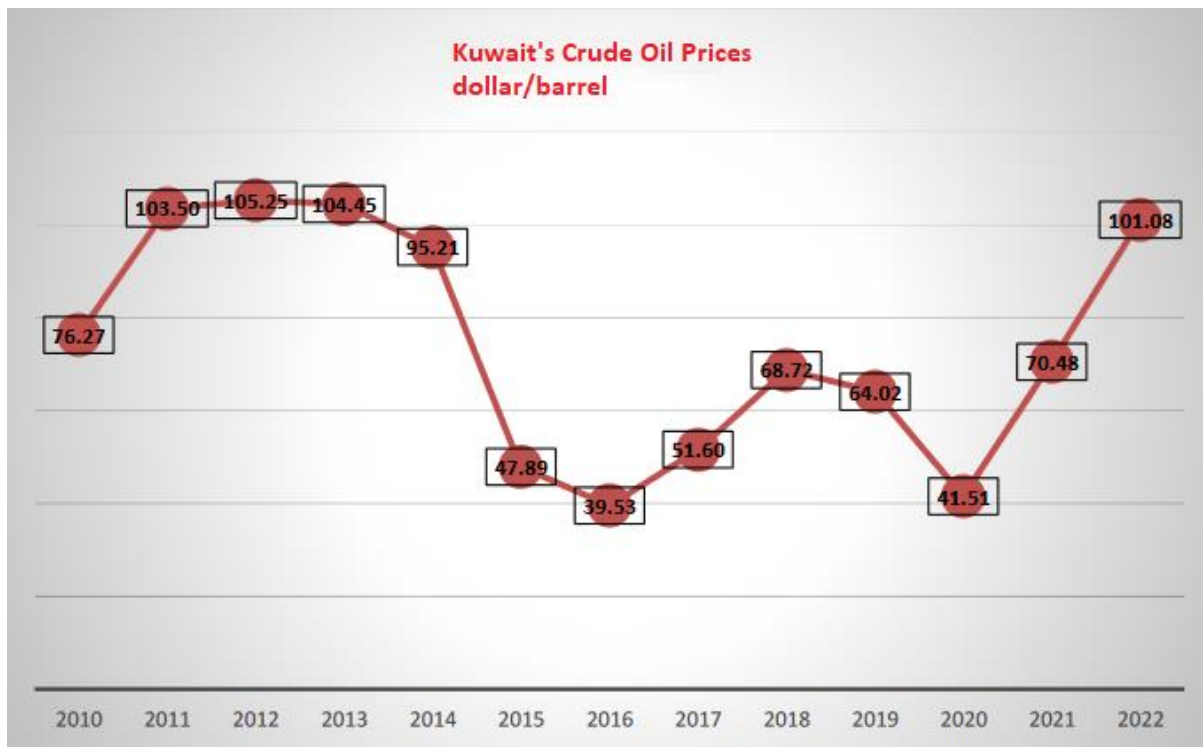
Second: Kuwait crude oil price for export (KEC):

Table (3)

**Kuwait crude oil price for export KEC
(dollars / barrel)**

	Price
2010	76.27
2011	103.50
2012	105.25
2013	104.45
2014	95.21
2015	47.89
2016	39.53
2017	51.60
2018	68.72
2019	64.02
2020	41.51
2021	70.48
2022	101.08

Graph (2)



The price of Kuwait oil for export witnessed a remarkable increase during the year 2022, compared to previous years for the following reasons:

- High global demand.
- Geopolitical tensions as a result of the Russian / Ukrainian war.
- Shortage of crude oil supplies in global markets.

Third: Natural gas production and consumption (2019-2022):

The total natural gas production reached 369,935,593 million cubic feet in 2022, decreasing by Approximately 4% from 2019, in which production amounted to 618,561,205 million cubic feet, while natural gas consumption amounted to about 490,278,870 million cubic feet in 2022 which is a decrease of 0.5% from 2019, which Gas consumption amounted to 492,711,421 million cubic feet.

Natural gas is consumed in production processes, refineries, the petrochemical industry, the liquefied petroleum gas plant, electric power and water stations. It is a major component of the fuel mixture for power generation, in addition to its importance as a raw material for the petrochemical industries.

Kuwait is interested in modernizing its gas infrastructure, including the development of associated and free gas production facilities and gas processing facilities. Constructing one of the largest LNG import facilities in the world with a capacity of 3 billion standard cubic feet and has also built a comprehensive fuel gas network across the country for domestic consumption.

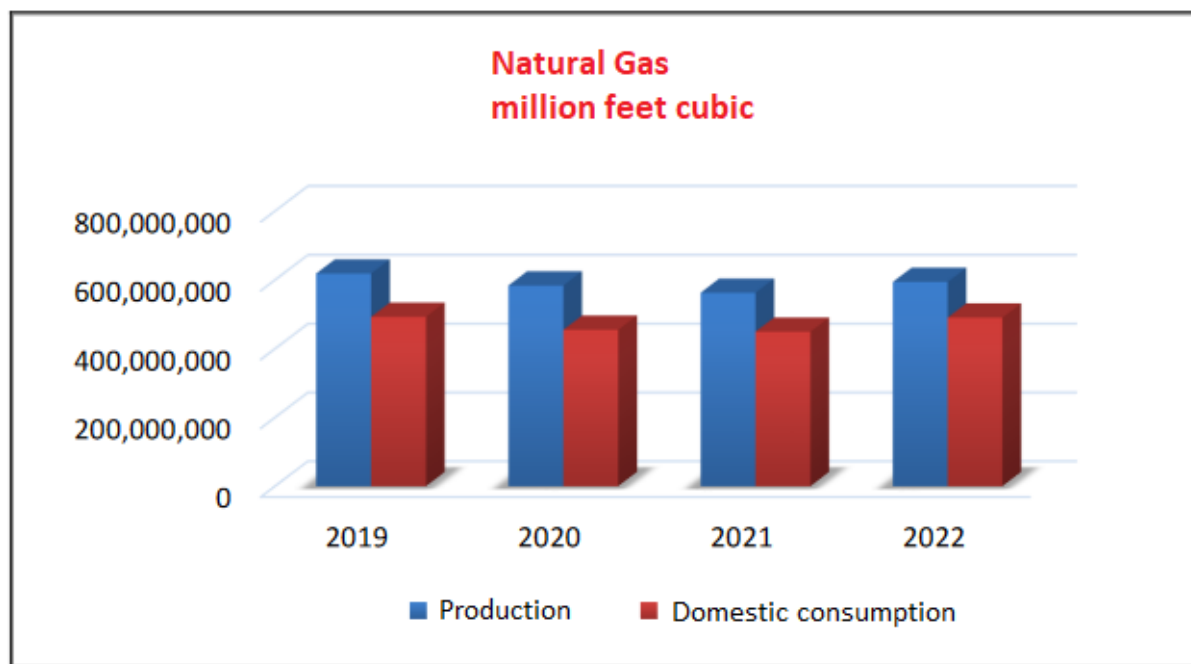
The following table shows the volume of natural gas production and consumption during the period 2019-2022:

Table (4)
Natural Gas

Unit: Million cubic feet:

Year	Production	Consumption
2019	618,561,205	492,711,421
2020	583,779,087	454,966,002
2021	562,692,494	449,489,636
2022	593,935,369	490,278,870

Graph (3)



Fourth: Petroleum products:

1. Domestic production of petroleum products (2019-2022):

The total domestic production of petroleum products in 2022 amounted to about 812.21 thousand barrels / day, while production in 2019 amounted to about 716.34 thousand barrels / day, an increase of 13%.

The commercial operation of the Al-Zour refinery began in November 2022, as the trial operation of the primary crude oil distillation unit began in May 2022 by producing and selling initial quantities of heavy fuel oil and supplying it to electric power stations and improving its quality to meet the specifications required by the Ministry. The refinery provides fuel of high quality and environmental standards in order to reduce gas emissions polluting the environment, in addition to providing other refining products for export in international markets with standard specifications.

Figure No. (4) shows the production of petroleum products according to percentages in the State of Kuwait for the year 2022, where the production of diesel / gas oil reached 29%, naphtha 20%, fuel oil 11%, kerosene 25%, gasoline 8%, liquefied petroleum gas 3%.

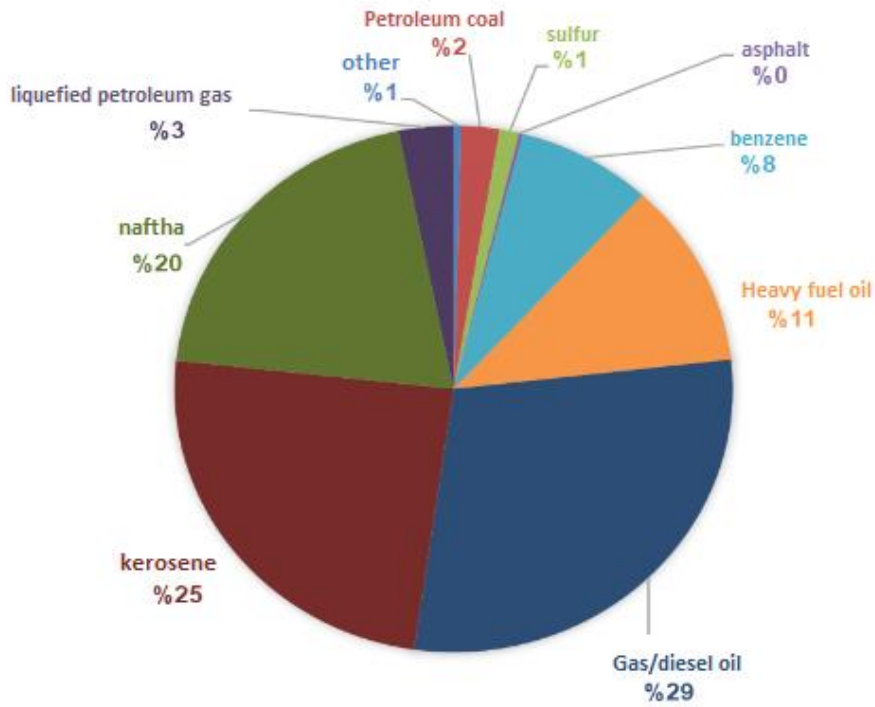
Table (5)

The production of petroleum products

	liquefied petroleum gas	naphtha	kerosene	oil Gas / diesel	Heavy fuel oil	benzene	asphalt	sulfur	Petroleum coal	other	Total
2019	23.79	153.70	136.46	168.06	146.84	60.95	4.71	5.55	12.48	3.80	715.34
2020	20.29	152.85	114.93	180.71	72.99	51.02	5.40	6.12	15.14	3.44	622.89
2021	24.76	136.52	148.42	189.96	90.50	61.00	4.54	6.32	17.13	2.68	681.82
2022	25.85	163.25	198.59	235.94	92.35	63.72	1.84	9.21	17.98	3.49	812.21

Graph (4)

production of petroleum byproducts in the year 2022 (%)



2. Domestic consumption of petroleum products (2019-2022):

Domestic consumption of petroleum products in 2022 amounted to about 336 thousand barrels / day, while consumption in 2019 amounted to about 337 thousand barrels / day, with a decrease of about 0.5%.

Figure No. (5) below shows the contribution of each product to the total domestic energy consumption for the year 2022, as the consumption of heavy fuel oil increased by 29% (which is consumed as fuel in the electricity and water generation sector), gasoline by 25%, gas oil (diesel) by 18%, naphtha by 20%, aviation fuel by 5%, kerosene Asphalt and petroleum coke by 1%.

The energy sector is considered one of the main sectors consuming energy locally by 45%, then the oil sector comes in second place with a rate of 23%, the transportation sector 20%, the commercial and industrial sector 10%, then the domestic sector is approximately 2% (not including electricity consumption) for the year 2022

Table (6)

Petroleum products consumption

	Total gasoline	kerosene	jet fuel	gas oil (diesel)	Heavy fuel oil	asphalt	naphtha	Petroleum coal	sulphur	Total
2019	79.23	2.90	19.62	55.51	103.10	4.75	66.70	5.30	0.01	337.11
2020	61.34	1.92	8.91	48.38	59.74	5.42	66.13	6.33	0.01	258.17
2021	75.13	2.71	9.15	55.78	102.99	456	69.37	6.13	0.02	325.84
2022	82.48	3.05	16.17	60.33	99.03	1.85	67.98	4.63	0.03	335.54

3. Domestic prices of petroleum products (2019-2022):

Table (7)

Domestic petroleum by-product prices

	benzene				Fils/liter)
	Benzene excellent 91 octane	Benzene excellent 95 octane	Benzene ultra 98 octane	kerosene	Gas oil (diesel)
2019	85	105	165	115	115
2020	85	105	165	115	115
July 2021	85	105	175	115	115
January 2022	85	105	200	115	115
April 2022	85	105	235	115	115
January 2023	85	105	210	115	115

From July 1, 2021 to July 6

2021 The price is 165 fils

From 17 July 2021 to 30 September

2021 The price is 175 fils

From January 7, 2022, the price is 200 fils

From April 1, 2022, the price is 235 fils

From January 1, 2023, the price is 210 fils

The selling prices of petroleum products are reviewed every three months by a committee preparing a study of the various subsidies provided by the state affiliated to the Ministry of Finance in a manner commensurate with the prevailing prices globally.

4. Petroleum Products Exports (2019-2022):

The total exports of petroleum products amounted to 547.48 thousand barrels / day in 2022, while in 2019 they reached 471.89 thousand barrels / day, an increase of 16%

The following shows Figure No. (6) the percentages of exports of petroleum products to the State of Kuwait in 2022, where the percentage of naphtha exports amounted to 28%, diesel 33%, while the percentage of kerosene exports amounted to

32% and fuel oil 3% of the total exports of petroleum products.

Table (8)

Petroleum product exports

(Thousand barrel/day)

Total	Others	Bitumen	Bunkers	Gasoline	Fuel Oil	Gas/Diesel Oil	Kerosene	Naphtha	
471.89	14.98	0.56	5.63	15.22	62.93	126.85	119.42	126.31	2019
380.04	15.50	0.00	3.68	0.17	18.28	128.02	109.10	105.29	2020
514.02	21.49	0.72	1.73	12.29	33.71	165.65	138.09	140.34	2021
547.48	24.53	0.00	0.17	2.62	17.04	177.97	173.26	151.89	2022

Graph (6)

Petroleum by-product export for the year 2022 %

