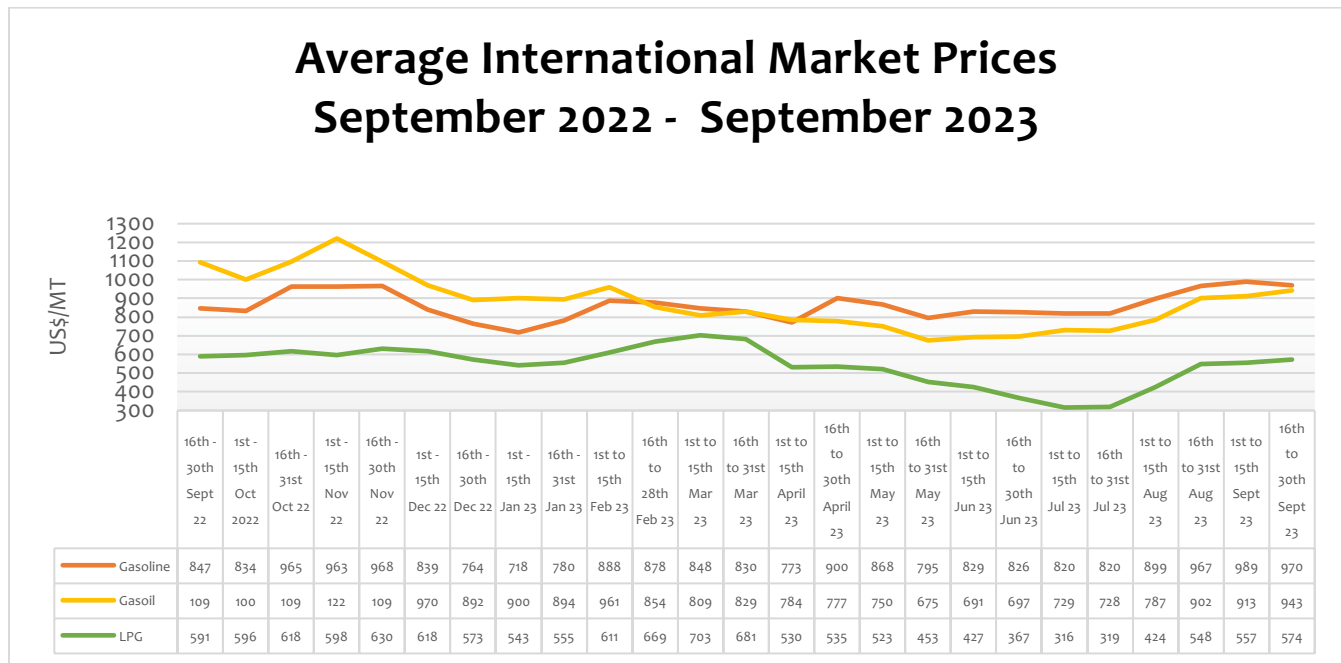


CBOD MARKET OUTLOOK

16th to 30th September 2023 Pricing Window

Refined Products Review and Outlook

Global oil demand increased significantly in Q3 due to the post-pandemic economic recovery in China as well as the reduction in crude production by OPEC+ nations. While global oil demand has been projected to reach its highest annual level in 2023 at about 102.2 million b/d, demand in June and August exceeded 103 million b/d. According to the International Energy Agency (IEA), global oil supply plunged by 910,000 b/d to 100.9 million b/d in July. While OPEC+ production fell by about 1.2 million b/d, the non-OPEC+ output increased by about 310,000 b/d in July 2023. Production data from the IEA indicates that the US accounts for nearly 80% of the output growth in 2023. Notwithstanding the increase in refinery throughput from 2.4 mb/d in May to about 83.9 mb/d in August, prices of refined products continue to surge in the global market due to increased demand.



Compared to the previous window, the international market price of Petrol declined by 2% from USD989.48/MT to USD969.60/MT, while Diesel and LPG increased by 3.3% and 3.0% respectively. Given these trends, petroleum product consumers in Ghana are likely to experience increments in pump prices in the 16th to 30th September Pricing window while y-o-y international Petrol prices rose by 14.5%,
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Diesel and LPG prices declined by 13.7%, and 3.0% respectively. The y-t-d Petrol, Diesel, and LPG prices rose by 35.1%, 4.7%, and 5.6% respectively. This market tightening is expected to further increase the price of crude and petroleum products going into the last quarter of the year.

FuFeX30 And Spot Rates

The Fufex30¹ for the Second selling window of September (16th to 30th September 2023) is estimated at **GHS11.8000/USD**, while the applicable spot rate for cash sales is **GHS11.6000/USD** based on quotations received from oil financing commercial banks.

SUMMARY REPORT OF BANK OF GHANA FX AUCTIONS TO BIDECS		
Window	Percentage Offered	Auction FX Rate (GHS/USD)
16 th – 30 th April 2023	24%	11.4467
1 st – 15 th May 2023	20%	11.7575
16 th – 31 st May 2023	26%	11.6943
1 st – 15 th June 2023	39%	11.1657
16 th – 30 th June 2023	33%	11.1781
1 st – 15 th July 2023	25%	11.3737
16 th – 31 st July 2023	30%	11.3737
1 st – 15 th August 2023	27%	11.3312
16 th – 31 st August 2023	30%	11.3460

The BoG's bi-weekly FX auction to BIDECS in the 1st to 15th September 2023 pricing window for the purchase of petroleum products was US\$20 million, representing 30% of BIDECS' bid. The BOG's FX rate at auction for BIDECS was GHS11.3460/USD, indicating a depreciation of 0.13% compared to the previous auction rate.

Ex-ref Price Effective 16th to 30th September 2023

Price Component	Petrol	Diesel	LPG
Average World Market Price (US\$/MT)	969.6000	943.0300	573.5000
CBOD Benchmark Breakeven Premium (US\$/MT)	120	120	170
Spot FX Rates	11.6000	11.6000	11.6000

¹ The Fufex30 is a 30-day Ghs/USD forward fx rate used as a benchmark rate for BIDECS ex-ref price estimations.

FuFex30 (GHS/USD)	11.8000	11.8000	11.8000
Volume Conversion Factor (ltr/mt)	1324.50	1183.43	1000.00
Ex-ref Price (GHS/ltr) Cash Sales	9.5427/ltr	10.4198/ltr	8.6246/kg
Ex-ref Price (GHS/ltr) 45-day Credit Sales	9.7073/ltr	10.5995/ltr	8.7733/kg
Price Tolerance	+1%/-1%	+1%/-1%	+1%/-1%

Taxes, Levies, and Regulatory Margins

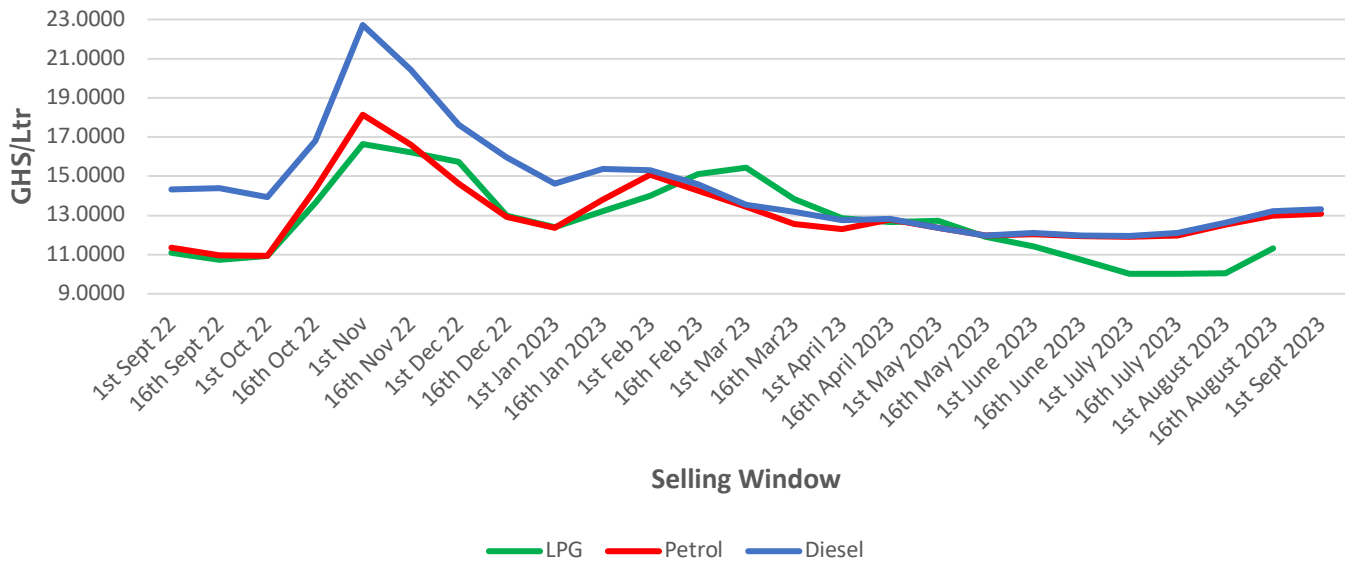
Total taxes, levies, and regulatory margins within the 1st to 15th September 2023 selling window accounted for 23%, 22%, and 15% of the ex-pump prices of petrol, diesel, and LPG respectively.

TRM Components	Gasoline (GHS/ltr)	Gasoil (GHS/ltr)	LPG (GHS/KG)
ENERGY DEBT RECOVERY LEVY	0.49	0.49	0.41
ROAD FUND LEVY	0.48	0.48	-
ENERGY FUND LEVY	0.01	0.01	-
PRICE STABILISATION & RECOVERY LEVY	0.16	0.14	0.14
SANITATION & POLLUTION LEVY	0.10	0.10	-
ENERGY SECTOR RECOVERY LEVY	0.20	0.20	0.18
PRIMARY DISTRIBUTION MARGIN	0.13	0.13	-
BOST MARGIN	0.09	0.09	-
FUEL MARKING MARGIN	0.5	0.09	-
SPECIAL PETROLEUM TAX	0.46	0.46	0.48
UPPF	0.75	0.75	0.75
DISTRIBUTION/PROMOTION MARGIN	-	-	0.05
TOTAL	2.96	2.94	2.01

OMC Pricing Performance: 1st to 15th September 2023

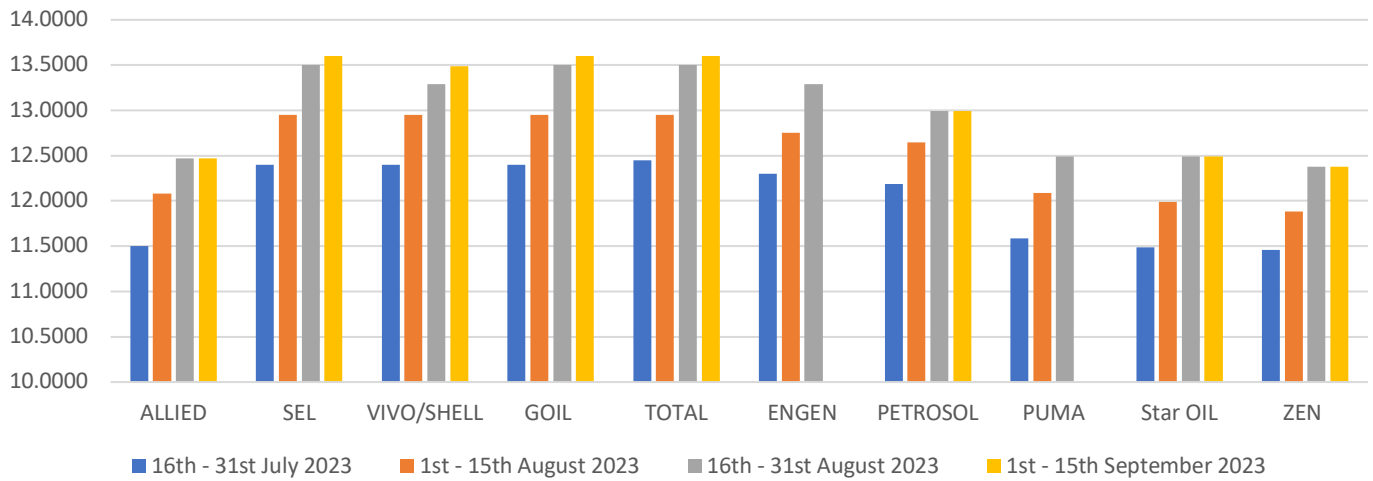
Global crude oil prices surged to approximately \$90 per barrel in September, up from around \$75 per barrel in July, primarily due to tight supply dynamics in the market. As a result, pump prices of petrol and Diesel have escalated by about 10% and 12% respectively within the period. As OPEC+ has expressed its plan to maintain production levels lower than anticipated until the end of 2023, it is expected that fuel prices will persistently increase in Q4 of 2023.

Year-on-Year Average Ex-Pump Prices 2022-2023



Petrol prices at the pumps rose by about 0.7% from an average of GHS12.99/Ltr to GHS13.0775/Ltr in the first selling window of September. This price uptick was primarily attributed to the global price surge. On a Y-o-Y basis, pump prices for petrol rose by about 15% while on a Y-T-D basis, they rose by 5%. Diesel prices at the pumps rose marginally by about 0.6% from an average of GHS13.2210/ltr to GHS13.2975/ltr in the 1st to 15th September 2023 selling window. On a year-on-year basis, pump prices of **Diesel** declined by about 7% while on a year-to-date basis, they fell by about 9%.

Average Petrol Ex-Pump Prices (GHS/Ltr)



Pump prices are expected to rise by about 1% in the last selling window of September due to the continuous rise in global prices. While the Ghanaian Cedi has maintained its stability against the U.S. Dollar, the consistent hikes in international prices continue to exert pressure on pump prices.

Average Diesel Ex-pump prices (GHS/ltr)

