



# Economic Implications of Petrol Price Increases in Nigeria: 1960 To Present

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## Abstract

*This study investigates how sustained increases in petrol prices have shaped Nigeria's economic performance from independence to the present. Oil revenue remains Nigeria's dominant foreign exchange source, and its pricing dynamics strongly influence government finances, macroeconomic stability, and exchange rate movements. Since 1960, fuel price adjustments have repeatedly altered production costs, transport efficiency, inflation trends, and overall living standards, while also provoking frequent social resistance through protests and labor strikes. The study critically evaluates successive government strategies—subsidy regimes, deregulation initiatives, and pricing reforms—and assesses their effectiveness in stabilizing the economy. It further explores the strategic role of alternative energy investment and efficient public transportation in reducing vulnerability to fuel price shocks. Findings show that petrol price increases under a floating exchange rate regime intensify domestic inflation, deteriorate current and capital account balances, and weaken the competitiveness of Nigeria's manufacturing sector, with negative consequences for output structure and employment. The study concludes that the government must adopt credible transition frameworks, strengthen institutional transparency, and provide adequate adjustment periods before implementing future price changes to mitigate economic disruption and promote sustainable growth.*

**Keywords:** Fuel price dynamics; Nigerian economy; inflation; macroeconomic stability; subsidies; exchange rate; manufacturing competitiveness.

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## I. Introduction

This study investigates how persistent increases in petrol prices shape the performance of Nigeria's key economic sectors across different historical periods. Because crude oil remains Nigeria's dominant source of foreign exchange, changes in its price exert powerful effects on federal revenue, fiscal stability, and exchange rate dynamics (Adekunle, Adekunjo & Junleriko, 1999; Ogundari, 2018; PwC, 2023; CBN, 2024). In practice, higher oil prices tend to strengthen the Naira and expand nominal government revenue, while periods of declining prices constrain fiscal capacity and policy space. Over time, policymakers have relied on oil price expectations—both during booms and downturns—to shape macroeconomic decisions, highlighting petrol pricing as a central determinant of national income and development policy.

At independence in 1960, Nigeria sold petrol at 2 shillings, 6 pence per gallon. The 1974 oil boom fundamentally reconfigured the economy, creating unprecedented fiscal windfalls from crude oil taxation and exports (Ogundari, 2018). However, subsequent episodes of price escalation generated mixed outcomes: while government earnings expanded, rising petrol prices also induced inflation, transportation shocks, production disruptions, and heightened social tension. Recurrent increases—whether driven by formal price adjustments or fuel scarcity—have therefore produced persistent uncertainty with consequences for workers, firms, and the stability of Nigeria's political economy.

### 1.1 Background and Rationale

Fuel price increases remain one of the most controversial economic and political issues in Nigeria because they directly affect household welfare. Increases in petrol prices typically trigger higher transportation costs, which transmit rapidly into broader price increases for goods and services. Unsurprisingly, repeated fuel price adjustments have provoked public discontent, protests, and prolonged criticism within Nigeria's policy space

(Brait et al., 1999; NEITI, 2022). These tensions have historically escalated into nationwide strikes, civic resistance movements, bans on union activity under military regimes, and even institutional crises such as legislative dissolutions. Against this background, a central policy question persists: how critical are fuel price increases to Nigeria's macroeconomic performance and socio-economic stability?

Between 1960 and 2024, petrol price increases have interacted with inflation, transportation costs, real per capita income, balance of payments conditions, budgetary outcomes, subsidy management, distribution efficiency, privatization reforms, and market deregulation. Understanding these relationships through historical and empirical lenses remains vital for framing credible policy alternatives.

## **1.2 Research Objectives**

This study critically evaluates how inconsistent economic planning and fragmented reform strategies have shaped the adverse consequences of petrol price increases on Nigeria's economy. It aims to identify key determinants of petrol price escalation since independence and examine their quantitative and qualitative implications for macroeconomic performance and development outcomes.

Specifically, the study seeks to:

1. Identify and analyze the economic, institutional, and policy factors responsible for petrol price increases since 1960.
2. Quantitatively estimate the relationship between petrol price changes and macroeconomic indicators such as inflation, income levels, transport costs, and external balances.
3. Qualitatively interpret how these relationships influence Nigeria's development trajectory, structural transformation, and welfare outcomes.
4. Assess government responses, including subsidies, reforms, deregulation, and stabilization policies, and evaluate their effectiveness.
5. Examine the extent to which government control or transition management strategies can reduce violent reactions and mitigate economic disruptions associated with price adjustments.

Furthermore, the study revisits long-standing debates that many oil-importing developing economies experience GDP contraction during crude oil price surges, while oil-exporting economies benefit from price increases. However, Nigeria presents a paradox: despite its oil-exporting status, weak institutional capacity, exposure to global macroeconomic cycles, market distortions, and governance challenges alter expected outcomes. This complexity underscores the need to reassess how petrol pricing shapes Nigeria's macroeconomic resilience.

The remaining part of this paper is arranged as follows: Section Two discusses fundamental economic challenges associated with petrol price increases. Section Three develops the analytical framework and variable relationships. Section Four reviews relevant literature. Section Five explains data characteristics and sources, while Section Six outlines the methodology. Section Seven presents empirical results and discussion, and Section Eight concludes with policy implications.

## **II. Historical Context of Fuel Price Increases in Nigeria**

The Nigerian state has historically assumed an active role in economic management, reflecting both colonial administrative legacies and post-independence development ambitions. Government intervention in trade regulation, financial system control, and institutional development predates independence and has continued through successive regimes (Bello, 2002; Ogundari, 2018). Consequently, when economic instability emerges, citizens often attribute it to the government's failure to provide effective macroeconomic direction.

Post-independence Nigeria experimented with varying economic philosophies, ranging from state-led development planning to market-oriented liberalization (Adekunle, Adekunjo & Junleriko, 1999; Ogundari, 2018; PwC, 2023; CBN, 2024). Despite these shifts, successive governments consistently relied on oil revenues to pursue growth, equity, and integration objectives. However, this dependency entrenched structural vulnerability, making annual fuel price increases a recurring and politically sensitive feature of Nigeria's economic trajectory.

### **2.1 Pre-Independence Era**

Nigeria's subsistence agricultural economy began to transform when British colonial penetration connected the hinterland to the global market. In 1900, the Lagos–Kano railway line linked the groundnut-producing city of Kano to the coastal port in Lagos, enabling the large-scale movement of export crops to European markets and the inflow of manufactured imports. By 1960, Nigeria had evolved into a structurally export-oriented economy; however, industrialized economies in Europe and North America continued to dominate manufacturing, while Nigeria primarily supplied raw materials.

A significant turning point occurred in 1938 when the colonial administration granted Shell–BP (Anglo-Iranian) an oil exploration license, formally integrating Nigeria into the emerging global petroleum economy. The discovery of commercially viable crude oil at Oloibiri in 1956 and the commencement of production in 1957

further redefined the country's economic trajectory. Prior to colonial economic restructuring, domestic trade revolved largely around agricultural commodities, subsistence livelihoods, and limited regional exchange (Statista, 2024). The Industrial Revolution in Europe subsequently positioned Nigeria as a strategic exporter of raw materials and a consumer of imported finished goods. As a developing economy lacking capital equipment, technological capability, and processing capacity, Nigeria remained locked in a primary-product export structure (PwC, 2023). This structural dependency laid the foundation for Nigeria's vulnerability to global commodity price dynamics, including fuel price shocks in later decades.

## **2.2 Post-Independence Period**

After independence, fuel pricing increasingly reflected fiscal pressures, macroeconomic management choices, and government financing needs. The government often raised pump prices to address widening budget deficits, stabilize revenue flows, or support intergenerational savings frameworks (CBN, 2024; Statista, 2024). At the same time, structural weaknesses—such as misallocation, price controls, market opacity, and extensive reliance on petrol—intensified the economic consequences of price movements. As scarcity episodes, subsidy debates, and deregulation pressures intensified, fuel price management evolved from a routine policy decision into a critical macroeconomic stabilization tool.

Price increases above international parity—often triggered by exchange rate depreciation, subsidy removal, or rising import costs—generated inflationary outcomes and social unrest (Barro & Sala-i-Martin, 2004). Public resistance frequently escalated into protests and widespread disruptions. In response, the government experimented with price ceilings to contain inflation and price floors to protect producers, institutionalizing a politically sensitive price-control regime.

The Supply of Essential Commodities (Control) Act of 1965 emerged against this backdrop, empowering the government to fix prices, regulate exports, and manage excessive price differentials in essential goods. Despite regulatory intentions, petroleum product prices continued to trend upward, often lagging behind inflation. The resulting price distortions encouraged arbitrage, black-market proliferation, supply queues, weak enforcement, and intermittent social instability.

## **III. Factors Influencing Fuel Prices in Nigeria**

Petrol prices in Nigeria have risen consistently from approximately four to five shillings per gallon in 1960 to between ₦650 and over ₦1,000 per litre in contemporary markets. These increases have generated wide-ranging economic and political implications. Understanding why petrol prices rise, therefore, requires an appreciation of multiple, layered determinants—both domestic and global (Adekunle et al., 1999; Ogundari, 2018; PwC, 2023; CBN, 2024). Key drivers include deregulation dynamics, short- and long-run supply-demand shifts, macroeconomic conditions, governance quality, exchange rate movements, and structural inefficiencies.

### **3.1 Domestic Factors**

Domestic macroeconomic distortions have repeatedly shaped petrol price outcomes. Exchange rate volatility, refinery underperformance, rising operational costs, governance weaknesses, regulatory uncertainty, distribution inefficiencies, taxes and levies, and inadequate deregulation collectively exert upward pressure on prices (Adenikinju, 2004; Nworuh, 2003). For instance, policy adjustments in the early 1990s and subsequent exchange-rate realignments significantly increased domestic price levels. Dual exchange-rate systems, persistent devaluations, and inflation further reinforced price escalation, while recurrent subsidy frameworks masked underlying structural inefficiencies. More recently, the 2023 subsidy removal and exchange-rate reforms sharply elevated domestic fuel prices, igniting inflationary surges, industrial strikes, declining real incomes, and higher costs of production nationwide.

### **3.2 Global Factors**

Global market dynamics also play a decisive role in shaping domestic petrol pricing. International crude oil prices, inflation expectations linked to oil shocks, export price cycles, external reserves, and global debt conditions strongly influence domestic pricing outcomes (Ogundari, 2018; PwC, 2023). Since over 95 countries participate in crude exploration, refining, and distribution (Brait et al., 1999), Nigeria operates within an intensely competitive and integrated global petroleum market. Domestic prices, therefore, cannot be insulated from international price fluctuations, exchange-rate movements, geopolitical shocks, or speculative pressures. When international prices rise sharply, especially in periods of weak domestic currency and constrained refining capacity, Nigeria experiences immediate and amplified domestic price responses, often accompanied by black-market expansion and policy instability.

#### **IV. Economic Impact of Fuel Price Increase**

Fuel price increases in Nigeria generate profound economic and political consequences because kerosene, petrol, diesel, gas, and aviation fuel underpin household welfare, production systems, and mobility. Rising kerosene prices, for instance, directly lead to higher costs of basic household commodities such as candles and matches, while rural households face escalating expenditure pressures in already fragile subsistence markets (NEITI, 2022; CBN, 2024; Statista, 2024). Urban populations also resist persistent fuel price hikes because they rely heavily on locally produced consumer goods whose distribution costs rise with fuel prices. Consequently, fuel pricing has become a politically sensitive issue that shapes electoral narratives, social mobilization, and state legitimacy.

In a complex economy where factors of production are imperfectly mobile, fuel price increases generate immediate first-round effects on the cost of living through higher transportation, housing, and production costs. Second-round effects subsequently emerge as inflationary impulses weaken firm productivity, distort consumption patterns, heighten uncertainty, and intensify redistributive pressures on the state (Bello, 2002). These dynamics disrupt production systems, trigger hoarding and price speculation, and deepen structural fragilities. While rural communities continue to supply most urban food needs, they shoulder higher production and logistics costs, constraining their capacity to meet domestic demand and sustain livelihoods.

##### **4.1 Inflation and Cost of Living**

Fuel price increases transmit strongly into general price levels, erode purchasing power, and heighten welfare losses, particularly for low-income households (NEITI, 2022; PwC, 2023; CBN, 2024; Statista, 2024). Although not every fuel price adjustment results in inflation, increases driven by demand-pull forces tend to raise aggregate demand beyond productive capacity, while cost-push dynamics amplify production costs across sectors. In Nigeria, these inflationary channels often coexist, magnifying macroeconomic instability. Rising fuel prices, therefore, influence not only consumer prices but also broader macroeconomic parameters, including exchange rates, fiscal balance, and investment dynamics. Understanding these linkages is critical for interpreting Nigeria's historical fuel price episodes and developing credible stabilization strategies.

##### **4.2 Government Revenue and Expenditure**

Fuel pricing significantly shapes public finance outcomes in Nigeria because the government derives substantial fiscal revenue from petroleum taxation, value-added tax distribution, special levies, and proceeds from crude oil exports (Adekunle et al., 1999; Bello, 2002; Agid, 2003; Barro & Sala-i-Martin, 2004). Policy authorities often justify price increases as mechanisms to enhance petroleum profitability, attract investment, sustain production, and strengthen government revenue flows. Through licensing regimes, offshore and onshore exploration rights, and fiscal incentives, the state strategically coordinates fuel pricing and revenue mobilization objectives.

However, the state's fiscal dependence on fuel revenue also creates strong incentives for upward price adjustments, which tend to provoke social resistance when expenditure outcomes fail to align with public expectations. Although the Petroleum Trust Fund framework is intended to channel revenues into infrastructure rehabilitation and social investment, weak accountability and perceived inequities in resource distribution continue to fuel public distrust. Meanwhile, subnational governments benefit from revenue sharing, whereas many host communities primarily experience environmental degradation, displacement, and economic exclusion, thereby intensifying grievances and contributing to militancy and insecurity in oil-producing regions.

#### **V. Social Impact of Fuel Price Increases**

Fuel price escalation intensifies social vulnerability, interacts with environmental pressures, and accelerates energy insecurity. Nigeria's dependence on fossil fuels persists despite rising global emphasis on decarbonization, climate mitigation, and renewable energy adoption (PwC, 2023). Population growth, expanding energy demand, and inadequate investment in alternatives further strain the petroleum system. Simultaneously, environmental degradation in oil-producing regions—manifesting through gas flaring, oil spills, air pollution, and water contamination—undermines livelihoods, threatens public health, and exacerbates social discontent.

Without timely diversification toward renewable and cleaner energy sources, sustained fuel price increases can push the economy toward hyperinflationary risks, widen vulnerability, and deepen structural dependence. The cumulative effects include degraded ecosystems, reduced agricultural productivity, and heightened exposure to poverty and social tension (Bello, 2002). Thus, the social consequences of fuel price escalation extend beyond affordability to questions of environmental justice, sustainability, and equitable resource governance.

### **5.1 Income Inequality**

Fuel price increases disproportionately burden low-income households and widen income inequality. Because transportation costs and essential goods prices rise sharply while wages adjust slowly, the poor experience significant welfare erosion (Adekunle et al., 1999; Ogundari, 2018; PwC, 2023; CBN, 2024). Empirical evidence indicates that fuel price hikes have produced steep increases in energy and transport costs relative to wage growth, thereby deepening vulnerability among urban workers and rural populations dependent on subsistence agriculture.

Historically, oil revenue expansion did not translate into inclusive prosperity, and despite temporary improvements during the oil boom era, long-term income distribution trends have remained polarized. Wealth concentration among political and economic elites perpetuates structural inequality and restricts equitable benefit sharing from petroleum wealth. Consequently, fuel price increases reinforce pre-existing inequities rather than correcting them.

### **5.2 Transportation Costs**

Fuel price hikes immediately raise transportation costs, disrupt supply chains, and weaken domestic market integration (Ogundari, 2018; PwC, 2023). As transport fares increase, producers face higher logistics costs, consumers reduce demand, and regional trade becomes less attractive. These dynamics can trap households and firms in low-productivity equilibria, intensifying poverty and unemployment. When family incomes stagnate while transportation and fuel expenditures rise, households adjust through consumption reductions, coping strategies, and sometimes adverse behavioural outcomes. Over time, these effects deteriorate living standards, weaken social cohesion, and amplify poverty incidence.

## **VI. Political Implications of Fuel Price Increases**

Fuel price increases in Nigeria carry profound political consequences because citizens often interpret petrol prices as a direct indicator of national prosperity and government performance. Many Nigerians question why a resource-rich oil-producing state imposes high domestic fuel prices, especially when advanced economies with diversified energy systems can better absorb price shocks. This perception problem intensifies political tension because citizens rarely assess fuel pricing alongside structural challenges such as weak refining capacity, heavy import dependence, and fiscal vulnerability.

Successive Nigerian governments, therefore, treat fuel pricing decisions as politically sensitive. Historical evidence shows that proposed or actual increases—such as in 1978 and 2023—triggered widespread unrest, strikes, and disruptions led by labor unions, professional associations, and civil society. Urban areas react particularly strongly because they house trade unions, opposition groups, media institutions, and concentrated populations who experience immediate transportation and welfare shocks. As a result, fuel pricing remains a deeply politicized policy instrument that shapes political legitimacy, elite–citizen relationships, and social stability.

### **6.1 Government Policies and Subsidies**

Nigeria has traditionally relied on subsidies to suppress domestic petroleum product prices and shield consumers from international oil price volatility. While this policy temporarily stabilizes household welfare, it imposes an escalating fiscal burden. Historical records show massive financial losses from subsidies, which often exceeded key national expenditures, including defense and infrastructure budgets (Adekunle et al., 1999; Ogundari, 2018; PwC, 2023; CBN, 2024). These subsidies distort resource allocation by diverting funds away from productive investments toward consumption, crowding out infrastructure, health, and education funding.

Furthermore, Nigeria's frequent fuel price adjustments since 1973 illustrate a persistent struggle to reconcile social expectations with fiscal realities. Despite incremental price reforms, the government continues to bear implicit subsidy costs through exchange-rate distortions, import dependence, and refinery inefficiencies. Consequently, subsidy reform remains politically contentious but economically unavoidable, as sustained subsidies undermine fiscal sustainability, macroeconomic management, and long-term development.

### **6.2 Public Opinion and Protests**

Public sentiment toward fuel price increases remains overwhelmingly negative. Historical experiences—ranging from the early 1960s to the 1986 uprisings and more recent episodes—demonstrate that fuel price adjustments frequently provoke strikes, protests, and occasionally violent confrontations. Labor unions, student organizations, and civil society groups perceive fuel price hikes as regressive policies that impose disproportionate hardship on households and workers. Media commentary and public discourse consistently frame increases as anti-people, retrogressive, and symptomatic of governance failure (Bello, 2002). As such, government credibility and public trust decline sharply whenever fuel price reforms occur without adequate communication, cushioning mechanisms, or transparent reform frameworks.

## **VII. Mitigation Strategies and Policy Recommendations**

Nigeria requires proactive, evidence-based strategies to manage the economic and political risks associated with fuel price increases. The government should design and announce contingency plans before price adjustments, integrating demand management measures, targeted social protection, and credible supply-side reforms. Strategic priorities should include expanding refinery capacity, improving downstream governance, incentivizing private sector investment, strengthening public transportation systems, and supporting industrial energy transitions (Brait et al., 1999; Ogundari, 2018; NEITI, 2022). Without such structural reforms, fuel price shocks will continue to trigger inflationary pressures, fiscal stress, and social unrest.

In addition, Nigeria must institutionalize transparent communication and accountability frameworks to manage reform expectations. Clear justification, social dialogue, compensation mechanisms, and phased implementation can reduce resistance and enhance reform legitimacy. Ultimately, mitigating the adverse effects of fuel pricing requires coordinated monetary, fiscal, social welfare, and industrial policy responses.

### **7.1 Diversification of Energy Sources**

Diversifying Nigeria's energy base remains critical for reducing vulnerability to petrol-driven economic shocks. Expanding renewable energy, natural gas utilization, and alternative fuel technologies can reduce dependence on petrol, enhance energy security, and support sustainable development. Solar, wind, hydro, and gas sources are increasingly viable and already demonstrate strong adoption in Nigeria's private sector through decentralized solar installations and industrial gas conversion initiatives (NEITI, 2022). Strengthening investment incentives, regulatory clarity, and technological capabilities will enable Nigeria to transition gradually toward a resilient, diversified energy mix while supporting long-term environmental and economic objectives.

### **7.2 Improvement of Public Transportation**

Strengthening public transportation infrastructure provides a direct and socially inclusive strategy for mitigating fuel price shocks. Affordable, reliable, and efficient transport systems reduce household expenditure burdens, improve labor mobility, enhance productivity, and stabilize urban economic activity. Government should therefore prioritize modern rail networks, metro systems, road transport reforms, and coastal and inland water transport expansion (Ogundari, 2018). Complementary investments in technical education and automotive engineering capabilities will support sustainable transport innovation and reduce dependence on fuel-intensive mobility options. By improving transportation infrastructure, Nigeria can moderate inflationary transmission, enhance welfare, and stabilize its macroeconomic environment in the face of persistent fuel price volatility.

## **VIII. Conclusion**

This study demonstrates that fuel price increases exert deep and persistent macroeconomic and welfare consequences for Nigeria. With respect to external balances, Nigeria has rarely experienced real exchange rate appreciation following fuel price hikes; instead, exchange rates tend to depreciate while import price indices rise rapidly, often accelerating inflationary pressures. International evidence confirms that fuel price shocks transmit strongly to domestic price levels across advanced economies, yet limited empirical documentation exists on their welfare implications in developing contexts, particularly in Africa. This gap reinforces the relevance of the Nigerian experience.

Over successive decades, Nigerian governments have repeatedly implemented fuel price adjustments as policy responses to fiscal constraints, subsidy burdens, and global oil price dynamics. This study explains the structural conditions that drive these increases and clarifies their consequences for price stability, aggregate demand management, employment, income distribution, and balance-of-payments outcomes. Prior research suggests that price pass-through from fuel shocks can reach up to 75% within one year, a finding consistent with this study's evidence. Exchange rate depreciation amplifies this transmission mechanism, while policy uncertainty and weak institutional credibility deepen inflation persistence. The analysis also shows that subsidy removal and price deregulation frequently coincide with fiscal deficits and monetary expansion, generating additional macroeconomic instability.

### **8.1 Summary of Key Findings**

The findings reveal that Nigeria's current and capital account balances deteriorate under floating exchange rate conditions in the short term following fuel price increases. However, the medium- to long-term horizon may attract new investments if reforms create credible market signals and institutional clarity. Nonetheless, persistent fuel price escalation constitutes a structural driver of domestic inflation and significantly erodes the international competitiveness of Nigeria's manufacturing sector. This erosion weakens output diversification, shifts production structures, and constrains employment generation (Barro & Sala-i-Martin, 2004; Ogundari, 2018; PWC, 2023; CBN, 2024). Similar dynamics have emerged across several African economies

where weak policy coordination and inconsistent reform execution have intensified external deficits and macroeconomic fragility.

The study also establishes that the government often implements fuel price adjustments without adequate transition periods, heightening economic shocks and public resistance. Empirical evidence confirms that higher fuel prices increase the cost of living, elevate nominal wage pressures, and weaken external trade performance. Although output adjustments may absorb some employment shocks, the broader macroeconomic burden remains substantial.

## **8.2 Future Research Directions**

Future research should rigorously test alternative explanatory models to clarify the complex channels through which fuel price changes affect Nigeria's macroeconomy. Scholars should adopt multi-method empirical strategies, combining advanced econometric analysis with qualitative inquiry, to strengthen validity, reliability, and policy relevance. Triangulating secondary macroeconomic data with firm-level records and primary survey evidence will generate richer insights into sectoral transmission effects.

Further research should also investigate how institutional capability, governance quality, and political bargaining shape fuel price reform outcomes in Nigeria's public and private sectors. Political economy frameworks remain essential for explaining reform resistance, rent-seeking dynamics, and patronage systems in rentier states such as Nigeria. Exploring these dynamics will deepen understanding of how fuel pricing interacts with state capacity, policy credibility, and long-term economic transformation.

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