

Pazhanisamy, R.; Muruganandam, Bharathi

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Challenges of OPEC and its Implications to Qatar Economic Policies

R.Pazhanisamy* & Dr.Bharathi Muruganandam**

(Assistant Professor of Economics @IIBS Bangalore*, Freelance Professor of Economics- Qatar**)

(Email: rpsamy999@gmail.com * & johnbharathi786@gmail.com **)

Abstract

The Organization of Petroleum Exporting Countries (OPEC) has been one of the most influential organizations in the global energy sector which controls a significant portion of the world's oil reserves and has often influenced global oil prices through international trade policies such as quotas and strategic decision-making. The rapid global shift towards renewable energy, increased awareness of climate change, and technological advancements in energy production pose various challenges to OPEC's relevance and future. As a member of OPEC, Qatar's economic strategies and policies are intricately linked to the future of OPEC's economy. In this context this paper attempted to explore the future of the OPEC economy with the perspective of energy transitions and how this could shape Qatar's economic policies so that its economy can move forward.

The central premise of this paper is that while OPEC's influence on global oil markets may diminish due to energy transitions and global environmental initiatives, member countries such as Qatar will need to adopt innovative economic policies that ensure sustained prosperity even in a low-oil-demand scenario. With energy diversification gaining momentum globally, this paper outlines what kind of policy decisions today will significantly impact the economic and political stability of OPEC for sustainability.

Key words: Zero carbon solution to Qatar, challenges of OPEC, Economic Policy for Qatar, Sustainable oil trade, Global Energy transitions, OPEC alternative Economic Policies.

JEL Classifications: E6,F4,H3,L51,M1,O3,

Introduction and Rationale

The future of OPEC and the countries reliant on its framework will be deeply influenced by global energy transitions. Qatar, being one of the richest countries in terms of natural gas reserves and a key OPEC member until its withdrawal in 2019, faces substantial economic challenges as the global market for fossil fuels changes. However, the country's economic policies are also reflective of the broader trends within the OPEC member nations. By understanding the implications of the future OPEC economy and energy transitions on Qatar, one can gain insights into how smaller, oil-dependent economies might navigate the complex economic landscape to meet the future challenges.

Qatar's policies provide a useful case study to analyze how countries with significant hydrocarbon revenues can adapt to an emerging green energy economy. Understanding the trajectory of OPEC's influence in light of these changes also offers a broader perspective on how global oil markets may shape economic decisions for countries that rely on petroleum as a key revenue source.

The increasing concern to battle against the global carbon emission and compels to the green technologies on the one hand, and the decreasing trend of stocks of oil resources of OPEC on the other hand joints together to look into the alternative updated technologies that reduces the emission to near zero and to adopt the alternative revenue policies which calls this paper.

Reviews of Literature and Research Gap

The literature on OPEC has predominantly focused on its role in global oil markets and its ability to stabilize oil prices. Studies such as the work of Fattouh (2007) on OPEC's role in market management and Stevens (2012) on its long-term strategic positioning highlight the organization's significance in the energy sector. Additionally, research by Parra (2004) discusses the historical context of OPEC, while Dahl (2015) provides a

detailed analysis of how OPEC has evolved in response to market dynamics and geopolitical pressures.

Recent studies have begun to address the impacts of energy transitions and climate policies on OPEC's future. Rystad Energy (2018) conducted a comprehensive analysis of how shifting demand patterns will affect OPEC member economies, while the International Energy Agency (IEA) reports have focused on the potential decline of oil demand due to green energy transitions. Nonetheless, there is a notable gap in the literature when it comes to understanding the specific implications of these global changes for individual OPEC member countries, especially smaller economies like Qatar.

Despite these broad studies on OPEC economies, limited research addresses their future economy with a specific focus on how individual member countries, particularly Qatar, should adapt their economic policies. This research gap emphasizes the need for an attempt to analysis of the interplay between OPEC's future economic role, energy transitions, and Qatar's national economic strategies. This paper attempted to fill this gap in research through conceptual frameworks of alternative energy policies that can be used for the sustainable energy supply.

Economic Policies of OPEC

OPEC's economic policies revolve around the stabilization of oil prices and ensuring that member countries benefit from a sustainable and predictable revenue stream. OPEC controls the output of oil to ensure that supply matches global demand, thereby influencing the price of crude oil on the world market. OPEC's ability to influence oil prices is largely dependent on the cohesion of its member states and the level of compliance with agreed-upon production targets.

In the face of fluctuating oil prices and competition from non-OPEC oil producers, OPEC has increasingly found itself adopting more flexible and adaptive strategies. For instance, the cooperation between OPEC and non-OPEC oil producers, most notably

Russia, in the “OPEC+” framework, represents an effort to expand its influence over global oil production. This strategic cooperation has allowed OPEC to exercise greater control over oil markets, despite growing external pressures from renewable energy and changing global energy demands.

Energy Transitions across the Globe

The global energy landscape is experiencing a significant shift as countries transition away from fossil fuels and towards renewable energy sources. Technological advancements in solar, wind, and nuclear energy, combined with the increasing affordability of electric vehicles and green technology or zero pollution technology are reducing the global reliance on oil particularly the green hydrozoans based fuel that ensure the zero carbon emission has gained the global recognition and almost all the nations agreed to adopt it .Additionally, global environmental policies, such as the Paris Agreement, and growing consumer demand for sustainable products are driving the transition to cleaner energy sources which increase the threat for oil based economies.

For OPEC, this transition poses a direct challenge. The demand for oil is projected to peak in the near future, after which it will begin to decline as cleaner energy alternatives become more prevalent. This decline in demand could significantly impact OPEC’s revenues and the economic stability of its member countries. As a result, OPEC countries are forced to identify alternative source of income and to diversify their economies and reduce their reliance on oil to remain economically viable in a post-oil world.

Copenhagen Summit and OPEC

The Copenhagen Summit of 2009, formally known as the United Nations Climate Change Conference (COP15), marked a turning point in global climate negotiations. Although the summit did not result in legally binding agreements, it paved the way for future international climate accords, including the Paris Agreement in 2015. For OPEC,

the outcomes of the Copenhagen Summit signaled an accelerating global shift towards climate change mitigation, placing fossil fuel-dependent economies on notice.

OPEC member states, including Qatar, have expressed concerns about the potential economic impacts of these climate initiatives. The summit underscored the increasing political pressure on oil-producing countries to curb emissions and transition towards greener energy. This pressure compels OPEC to reconsider its role in the global energy economy and to advocate for a balanced approach that accounts for the economic realities of oil-producing countries.

The forthcoming COP29 aimed to increase the tension among the oil exporting countries through the re assuring movements of energy transitions to green energy and re affirm the trend of the closing the opportunities of profit and divert to a shift in the economy.

Compulsion to Green Energy Adoptions and the Economic Diversion

As environmental concerns grow and the effects of climate change become more evident, the global compulsion towards green energy adoption intensifies. Governments around the world are introducing stricter regulations aimed at reducing carbon emissions and promoting renewable energy sources. For OPEC member countries, this shift represents a serious threat to their traditional business models. Countries reliant on oil exports must now grapple with the need to transition to greener economies, or risk being left behind in the new energy order.

Qatar, like other oil-producing nations, is compelled to embrace green energy adoption, but this comes with significant challenges. Green energy investments, though necessary, require substantial capital and long-term infrastructure development, which could strain national budgets already dependent on oil revenues. Furthermore, the transition must be managed in such a way that it does not destabilize the economy or create significant social disruptions.

How OPEC Can Convince the World to Continue to Consume Oil

Despite the global transition to green energy, oil will continue to play a significant role in the energy mix for decades to come. OPEC's challenge is to convince the world that oil remains a necessary and viable energy source, even as renewable energy technologies gain momentum. One of the key arguments OPEC can make is the continued economic feasibility and energy density of oil compared to renewable. For industries such as aviation, shipping, and heavy manufacturing, oil remains indispensable due to the current limitations of renewable energy technologies.

OPEC can also advocate for the responsible production and consumption of oil, emphasizing the need for cleaner production technologies, carbon capture, and offset initiatives. Additionally, by investing in sustainable practices within the oil industry, OPEC can position itself as part of the solution to the global energy dilemma rather than a hindrance to progress. Moreover, OPEC could focus on emerging markets, where oil demand is expected to grow in the coming decades as economies industrialize and urbanize.

Within the take off timeline available to shift from the fossil fuel to green energy, Qatar can implement two approaches to manage the economy. First the existing oil can continue to be supplied to the world if it can produce relatively lesser emissions. For example innovating of a compulsory emission filter technologies that can be adoptable with all vehicles and end users of the oil can be the best options that can help to continue with the existing absolute oil advantage in international trade. A few automobile companies such as Suzuki, TATA motors and Mahindra and Hero Honda were already implementing such technology inbuilt with the automobiles that they sell in India (Oil Economist, 2024). Qatar can modify the external affairs and trade policies with its oil borrower nations so that it can continue to trade and sustain the economy. Second the existing nature of the oil that produces carbon emission by its chemical reactions can be modified by adding any chemical components in such a way that

reduces the extent of carbon emission. For examples countries like India, USA and Japan modifies the petrol into speed petrol that capable of producing relatively very less emission. Such kind of modified oil products can ensure the present oil based economy to continue for the next few decades within which the other sources of economy like tourism and others can be strengthened.

Qatar Economic Policies

Qatar has implemented several key economic policies aimed at reducing its reliance on hydrocarbons and diversifying its economy. The country's National Vision 2030 outlines ambitious goals for economic diversification, sustainability, and the development of a knowledge-based economy. Qatar has invested heavily in sectors such as tourism, financial services, education, and technology as part of its broader efforts to build a resilient economy that can thrive in a post-oil world.

Out of this policies the tourism in now attract only the religious tourist of selective Muslims populations and the same has to be extended in such a way that can attract the others as well. Using the financial strength it can expand the wide range of financial products and services to the global level which require advanced infrastructure and the globally competitive financial educations designed in the globally acceptable standards.

Qatar's economic policies also reflect a focus on leveraging its vast natural gas reserves, which are less carbon-intensive than oil. The present policy of expansion of liquefied natural gas (LNG) production has been central to Qatar's economic strategy, positioning the country as a global leader in this field which in turn warrants advanced technological support. Additionally, Qatar has taken steps to invest in renewable energy, particularly solar power, to reduce its domestic reliance on fossil fuels and contribute to global energy transition efforts. Despite its efforts on the solar power program it also should look into the green hydrozoans based technologies like setting the plants for the productions of electrolyzes that can fetch the foreign exchange in the market.

The Challenges Ahead for Qatar's Economic Policies

Qatar faces several challenges as it seeks to implement its economic diversification strategies. First and foremost, the volatility of global energy prices continues to pose a risk to its financial stability. While natural gas revenues provide a buffer, Qatar remains exposed to fluctuations in global energy markets, making economic diversification all the more pressing. So the standard price policies using fixed exchange rate policies are to be implemented for a specific period of time.

Another challenge is the need for significant investment in infrastructure and education to build a knowledge-based economy. While Qatar has made progress in these areas, the transition from an oil-dependent economy to a diversified, sustainable one will require continued investment and policy innovation. In this context the existing education system should be strengthened in such a way that can be globally competitive, outcome based levels.

Finally, Qatar must navigate the geopolitical landscape of the Gulf region, where tensions and competition among neighboring countries can create risks for economic stability. The blockade imposed on Qatar by some of its neighbors in 2017 highlighted the vulnerability of its economy to external pressures and underscored the importance of economic self-reliance and diversification. All external policies with the neighboring and other countries should be re designed to add strength and more economic- political and social values rather than the dominance and war.

Conclusions

The future of the OPEC economy is at a critical juncture, with global energy transitions and climate change policies challenging the traditional dominance of oil in the global energy mix. OPEC must navigate these challenges by advocating for the continued relevance of oil while also preparing for a future in which renewable energy plays a much larger role. For Qatar, the implications of OPEC's future are significant, given the country's historical reliance on hydrocarbon revenues.

Qatar has already begun to take steps to diversify its economy and reduce its reliance on oil, but the road ahead is fraught with challenges. Economic diversification, investment in green energy, and geopolitical considerations will all play a role in shaping Qatar's future economic policies. Ultimately, the ability of Qatar to adapt to the changing global energy landscape will determine its long-term economic prosperity.

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