



**National University of Computer and Emerging Sciences**



## **Assignment # 2**

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# **Energy (in)Security in the 21st Century**

## **Abstract:**

The main purpose of this review is to analyze and discuss the article "Energy (In)Security in the 21st Century" by John R. Brodman. The article has ventured into the concept of energy security and its importance in the 21st century, taking the United States of America as its main focus.

It highlights some factors contributing to energy security concerns, including:

- dependence on imported oil
- supply disruptions
- geopolitical challenges.

It also considers the role of strategic petroleum reservoirs and the need for a flexible energy security policy. The review analyzes the main points made in the article and provides an assessment of its significance in the context of global energy security.

## **Introduction:**

This article dives in the complex issue of energy security and its implications for the United States of America. Energy security is always a multifactored concept, and Brodman starts the debate by pointing out the subjective nature of it and its variance based on individual perspectives and measurement criteria.

Brodman contends that energy security remains a top priority for the United States of America due to several interconnected reasons, including:

- concerns in the Middle East
- government intervention in energy markets
- new challenges related to terrorism
- internal instability in oil-producing countries
- the influence of energy imports on foreign policy

## **Body:**

The article proceeds to provide key insights into the dynamics of energy security:

### **1. Growing Dependence on Imported Oil:**

Brodman illustrates the concerning trend of increasing dependence on imported oil in the United States of America, highlighting its economic and national security implications. He cites historical data to show how this dependence has fluctuated over the years and is expected to continue rising, potentially reaching 70% by 2025.

### **2. Supply Disruptions:**

Brodman emphasizes the historical impact of supply disruptions, such as the Arab oil embargo, Iranian revolution, and Iraq-Kuwait conflict. These disruptions had severe economic repercussions, and Brodman hits the correlation between oil price increases and economic recessions in the U.S.

### **3. Economic Resilience:**

The article acknowledges the U.S. economy's increased resilience in terms of energy consumption per unit of GDP. Despite this progress, oil consumption per unit of GDP has not decreased as significantly as compared to the economy.

### **4. Global Market Developments:**

Brodman discusses the actions of organizations like OPEC in managing oil production and the associated market impacts. He also hits upon the importance of international alliances, including the International Energy Agency (IEA) and International Energy Forum (IEF), in maintaining energy security.

### **5. Diversity in Energy Sources:**

The article emphasizes the significance of diversifying energy sources and supplies as a means of enhancing energy security. Brodman suggests that a combination of policies, including reliance on market forces, energy efficiency, and strong international relationships, can contribute to energy security.

## **6. New Threats to Energy Security:**

The author highlights emerging threats to energy security, including issues related to governance, human rights, political instability, environmental concerns, and unfavorable business climates in oil-producing countries. These non-traditional threats require new policy responses.

## **7. Role of Strategic Petroleum Reserve:**

Brodman briefly discusses the importance of the Strategic Petroleum Reserve (SPR) and its historical development. He notes that while the SPR provides a buffer against supply disruptions, its use policy remains a subject of debate.

## **Conclusion:**

In conclusion, the article offers a comprehensive overview of energy security challenges faced the United States of America. It emphasizes the need for a multifaceted approach to address the complex issue of energy security very carefully, further elaborating the importance of diversifying energy sources, maintaining spare production capacity, and engaging in sustainable development to mitigate potential risks.

Brodman's speculations and insights provide valuable information for policymakers and stakeholders concerned with energy security in the 21st century. The article encourages a proactive and holistic approach to energy security, considering both traditional and emerging threats. As global energy dynamics continue to evolve, understanding and addressing these challenges remain essential for ensuring a stable and secure energy future.

## **Literature Cited:**

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