

Saudi Arabia Energy Policy

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Energy Policy

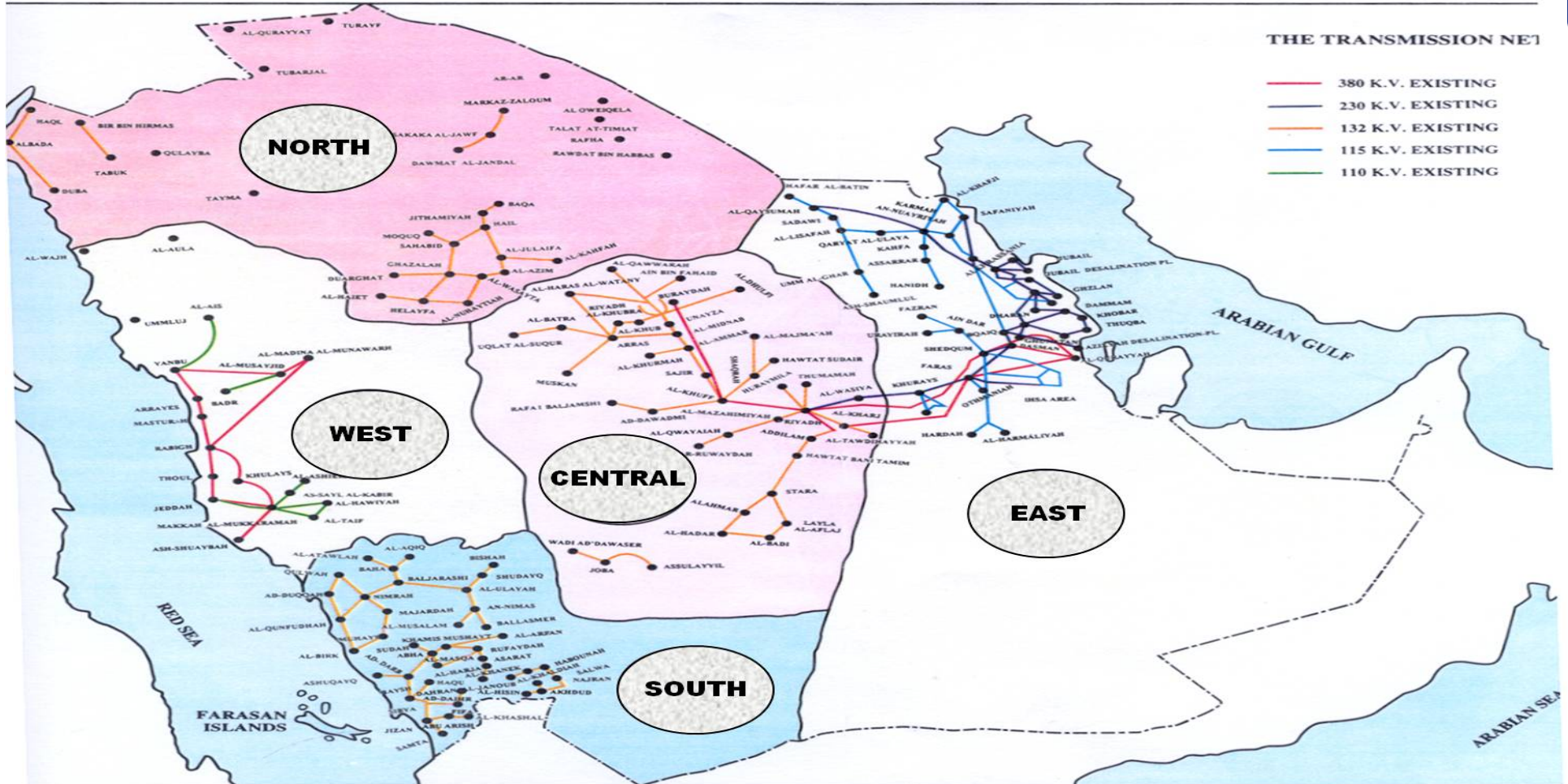
Introduction

With a total area of 2.1 million Km, Saudi Arabia is roughly about half size of the European Union. According to 2010 census, the total population of the kingdom is around 27 million, 85% of which live in urban area. Although the kingdom is one of the least densely populated countries, it has a fast growing population with birth rate of 28 per 1000 persons.

Saudi Arabia is also the world's 20th largest economy with a GDP of \$622.5 billion, largely accounted for the country's exports of petroleum based products. The country possesses the world's largest oil reserves estimated 267 billion barrels, roughly one-fifth of the world's total proven conventional oil reserves. It also the largest oil producer, pumping out around 10 million barrels per day, less than 15% of the daily oil production is used for domestic consumption.

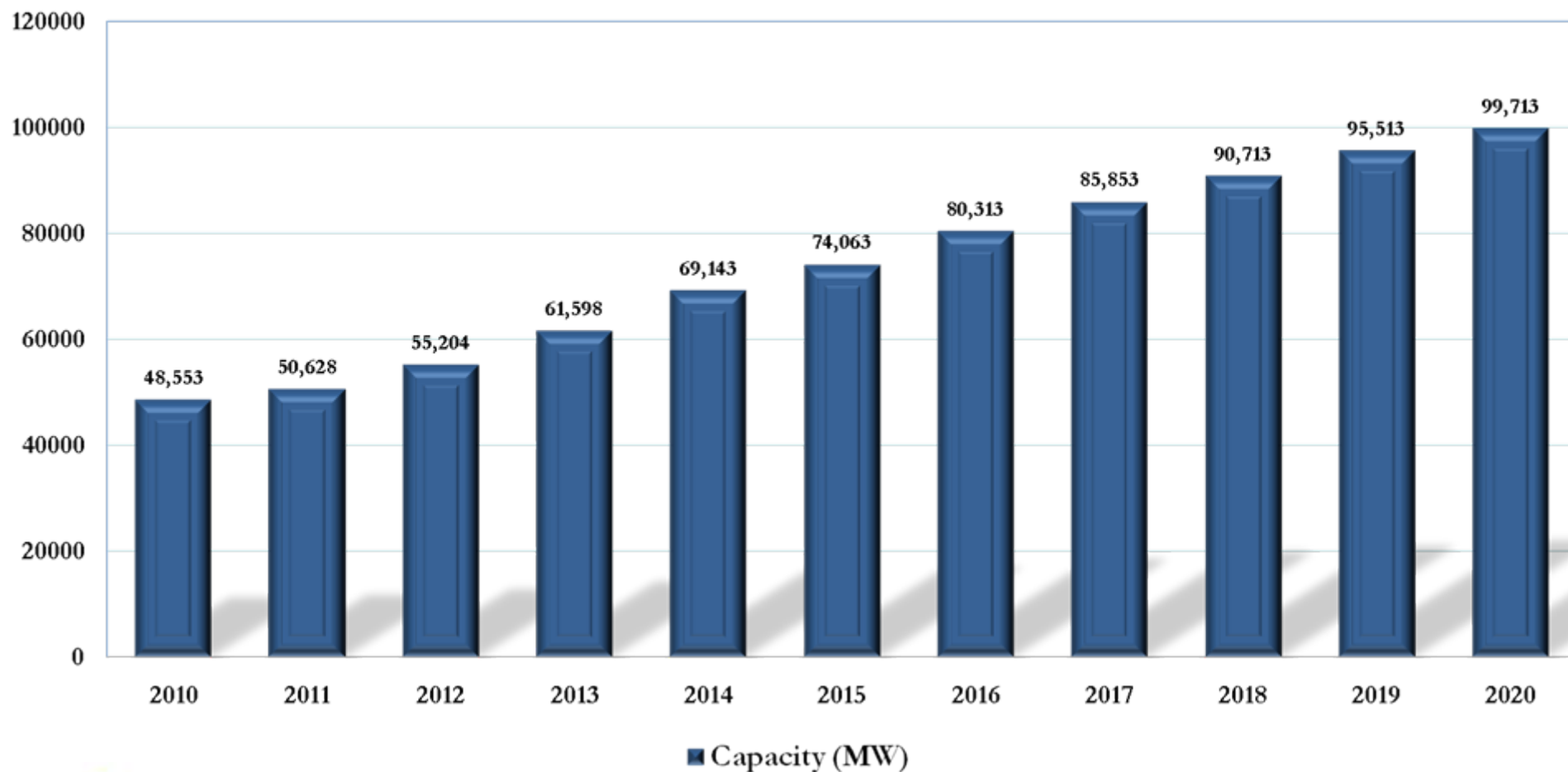
This presentation attempts to explore the potential of utilizing several sources of non-renewable energy and renewable energy to supply a portion of the Kingdom's energy need.

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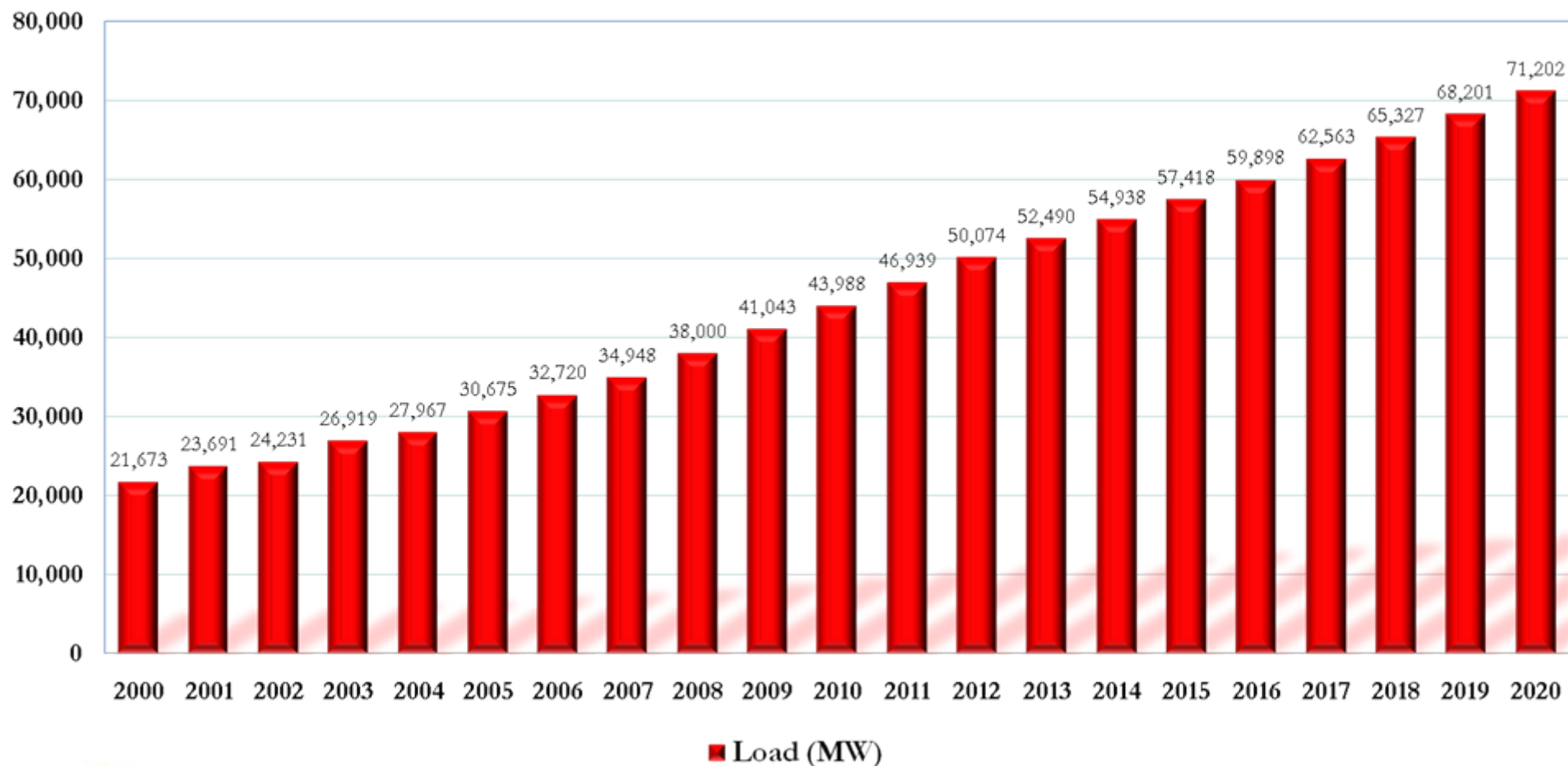
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Saudi Arabia Existing & Projects Capacity (MW)



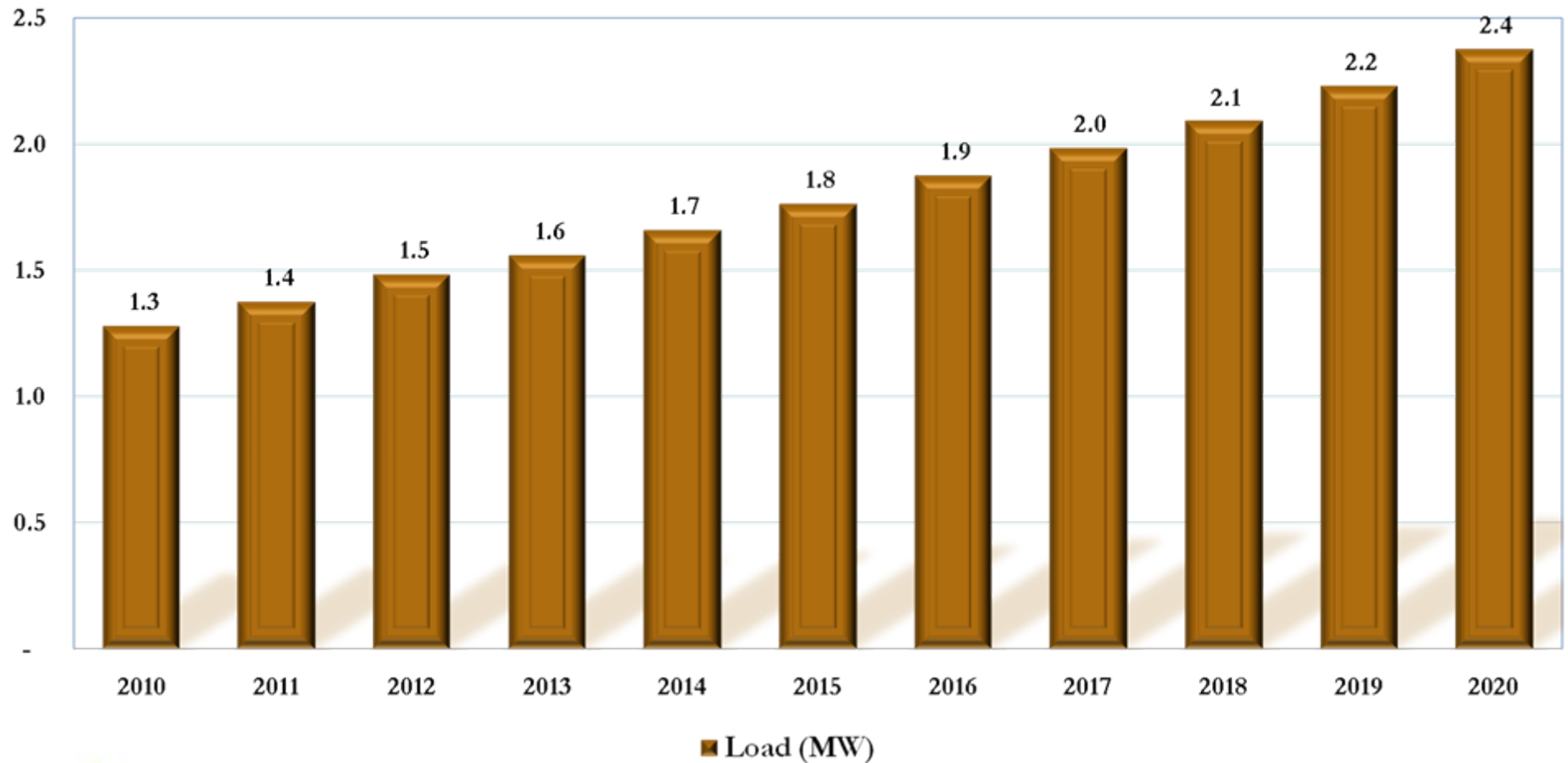
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Saudi Arabia Actual & Forecasted Load (MW)



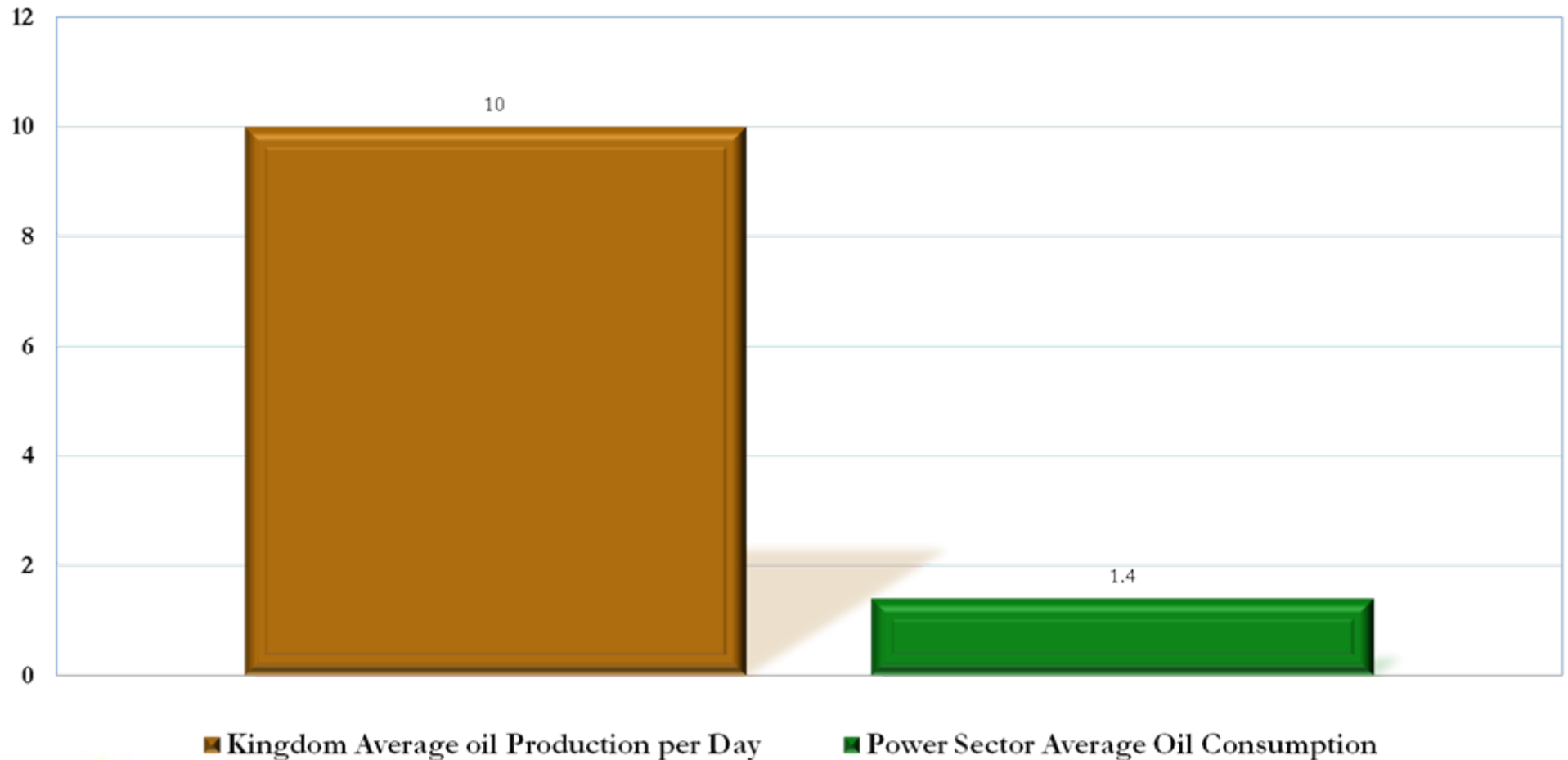
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SEC Equivalent Fuel Consumption (Million Barrels per day)



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Saudi Arabia Oil production VS SEC Equivalent Oil consumption per day



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Present Scenario

To meet the growing energy demand and maintain long-term economic prosperity, it's critical that the Kingdom of Saudi Arabia add new power generating capacity while reducing the amount of fossil fuels used to produce electricity (we expect to reach 2.4 million barrels per day of fossil fuels consumption in 2020).

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Future Strategy

Due to the long –term problematic in Energy Policy the Saudi government would focus on:

- Nuclear power generation Plants (Signed with France in February 2011).
- Renewable power generation Plants (Solar and wind).

Saudi Arabia holds one-fifth of global oil reserves, aims to pursue renewable energy and nuclear power to help reduce by half the crude and natural gas it burns now to generate electricity.

The development plan is expected to have a large impact on the Kingdom's future economic growth.

Thank you

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