

# Water scarcity in saudi arabia



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## Abstract

Nowadays, water supply and sanitation in Saudi Arabia is characterized by challenges and achievements. One of the main challenges is water scarcity. The assessment will talk about the process of the research and the reasons for why the information is appropriate for this academic report. After having some specific data for the water usage in Saudi Arabia, we will describe a potential solution to one of these issues. The hypothesis for this paper is the Saudi Arabia can solve the water scarcity this issue so that people who live there do not worry about the water anymore.

## Introduction

In this scientific assessment was write about several water scarcity issue, the water pollution and the way to finish off the problem in Saudi Arabia. Now day has many countries have the issue about the water scarcity and water pollution. For the Middle East's largest country, the water scarcity and water use increased dramatically, becoming a growing problem in Saudi Arabia. At present the fresh water it is extremely important for many countries and it is a narrow non-renewable, generalized renewable resources. People can not live without the water, also all the food we eat is all have the water element. The water chemistry will influence water scarcity is because the water have solubility and transmissibility. This the reason why the polluted water from the factory can pollution the the fresh water. And also some harmful substances will dissolve into the water that make water scarcity. In my hypothesis the Saudi Arabi can solution water scarcity this issue.

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## Methodology

The first plan for achieving research purpose is to write down the information about the water pollution and water scarcity in Saudi Arabia that will guide us to research. Second write some question that can solve the water scarcity in Saudi Arabia. After these two steps to research the information for water pollution and water scarcity in Saudi Arabia on the Internet. The detailed data for the total precipitation and the consumption of water for the people living in this country. Then research the document of the government solution for the water problem. Last is some key fresh water issues in Saudi Arabia. Afterwards will write about the reason for why chosen this information and why this document is good quality for use in the academic report. All the information is useful for the assessment this is one of the primary reasons. Generally the most reliable sources are all come from the Web site addresses that at the end is “. gov” means the government agency and education organisation the meaning of the end is “. edu”. Also can use some document is written from some university professors.

## Findings

Saudi Arabia is a true “ Kingdom of oil”, oil reserves and production ranked first in the world, making it be one of the richest countries in the world. Saudi Arabia is the world’s largest producer of desalination, the desalination of sea water around 21% per cent of the world total. But the Saudi Arabia still have the water problem, there are two most serious issues. First one is the lack of water resources problems, although now Saudi Arabia is the largest brackish water production country in the world, but when they have not established

water desalting plant, water is not enough people there to use. And in Saudi Arabia due to lack of water resources utilization provided, thus giving rise to utilization of water resources waste and low efficiency of water use is becoming more and more serious. For this two issues I think the best way to change the situation first is to make a regulations of the water use, reduce the population and use of the wealth of oil and energy for seawater desalination.

Chart: Changes in water demand and water supply in Saudi Arabia

		1980		2010	
		(mcm/yr)	(%)	(mcm/yr)	(%)
Water demand	agricultural water	186	79	743	84
	City life and other	500	21	140	16
	Total	236	100	883	100
Water supply	Surface water	485	20	900	10
	Renewable water	660	28	950	11

non-				
renewable	115	49	648	73
water	4		0	
sea water				
desalinatio	63	3	400	5
n,				
wastewater				
of				
re10claime	-	-	100	1
d water				
Total	236	100	883	10
	2		0	0

1/4^mcm= millton core meters 1/4‰

## Discussion

The chart write about the changes in water demand and the water supply in Saudi Arabia from 1980 to 1985. This information is from an article, I put the text to the data and draw the graph. In this chart we can know that Saudi Arabia's significant growth in demand for water in recent years. As the chart above shows, from 1980 to 1985, the increased water demand from 2362 to 8830, water demand has increased by 274% in the equivalent of 5 years, however, an average annual growth of 55%. These accurate data showing population impact on the utilization of water resources, also can to prove my

hypothesis is correct, that the help the water resources be not in the absence have one of the methods is changing population

### Conclusions and Recommendations

In conclusions I think the best way to tackle lack of water resources in Saudi Arabia this is to require a water use regulations. From the above data, we can see that people's demand for water resources in Saudi Arabia year after year of growth and it was really fast, so I think the Saudi Government should require people to rational use of water resources. Everyone knows that Saudi Arabia is the world's richest countries, if their rational use of water resources and rational use of groundwater, then maybe they don't have to worry about lack of water resources this issues in the future.

### Reference List

Allan Foster, (Dec 9, 2010), Coping with Scarcity: Saudi Arabia and Water, Stimson Spotlight. [Online]. Available from: <http://www.stimson.org/content/coping-scarcity-saudi-arabia-and-water>[Accessed 24 December 2016]

(14 March 2013), Saudi Arabia's water problems stink, FAILAKA. [Online]. Available from: <http://failaka.com/saudi-arabias-water-problem/>[Accessed 24 December 2016]

Saud A. Gutub, Mohamed F. Soliman and Asif uz zaman, (2013), Saudi Arabia Confronts with Water Scarcity: An Insight, PSIPW. [Online]. Available from: [http://www.psipw.org/attachments/article/342/IJWRAE\\_2\(4\)218-225.pdf](http://www.psipw.org/attachments/article/342/IJWRAE_2(4)218-225.pdf)[Accessed 24 December 2016]

<https://assignbuster.com/water-scarcity-in-saudi-arabia/>

(July 2, 2013), Saudi Arabia: The Desalination Nation, ASHARQ AL-AWSAT.

[Online]. Available from: <http://english.aawsat.com/>[Accessed 24 December 2016]