SWCC's Plan to Satisfy Future Water Demands in Saudi Arabia

Thursday, 19 February 2015



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Main Challenges Facing Water and Desalination Sector in Saudi Arabia

Decommissioning of existing desalination plants in near Future and large investments for new desalination projects

Rapid increase in population, increase in water demand, industrialization and high per-capita consumption

Widening gap between water demand and supply

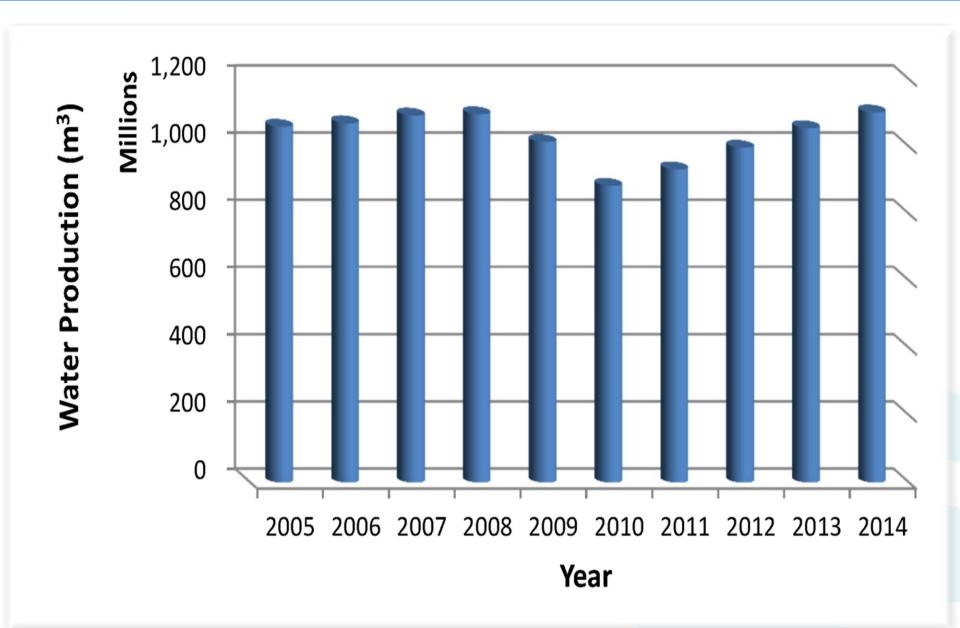
Limited natural water sources

SWCC Overview

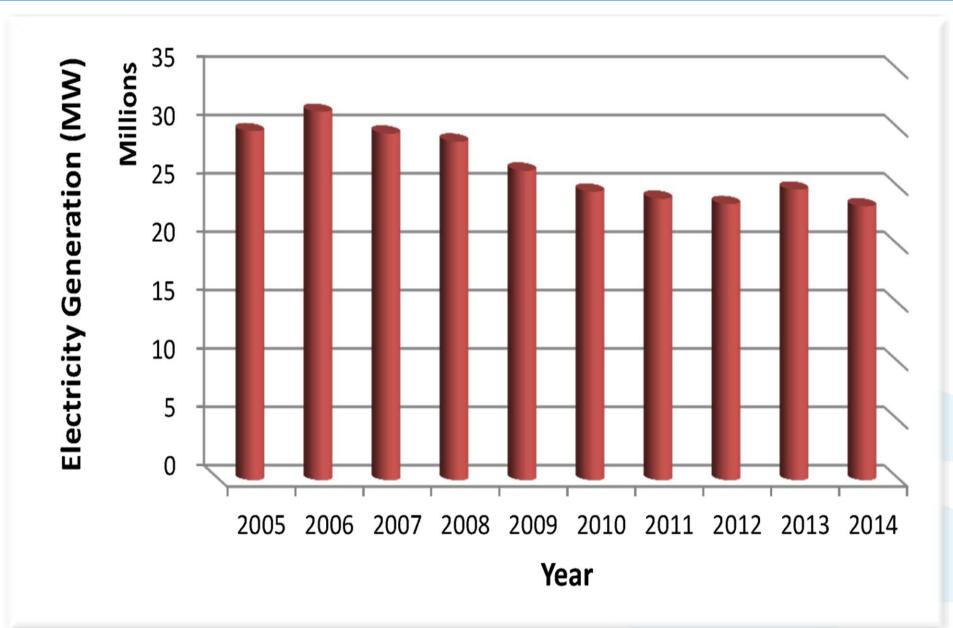
SWCC Main Activities



SWCC Annual Water Production in Last 10 Years

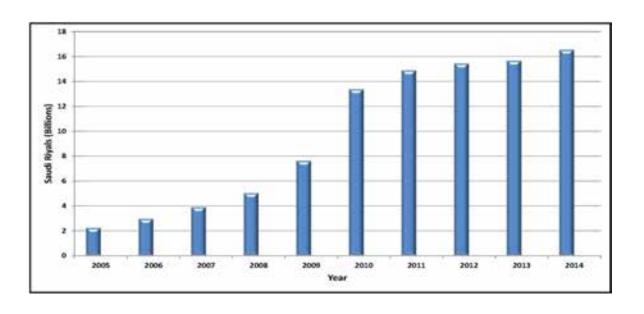


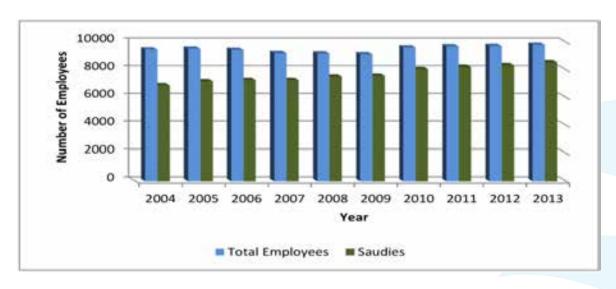
SWCC Annual Electricity Generation in Last 10 Years



SWCC Budget & Human Resources in Last 10 Years

SWCC Budget in the last ten years



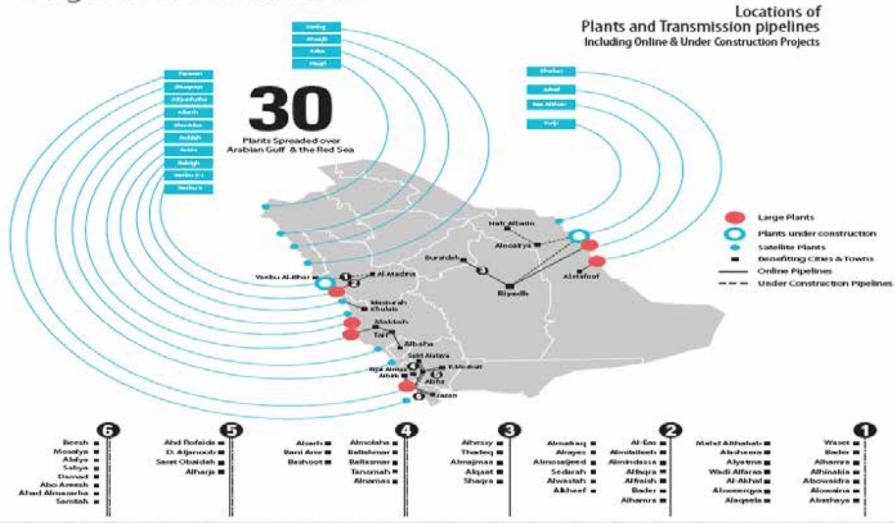


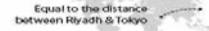
SWCC Human Resources & Saudization

SWCC's Facts

Saline Water Conversion Corporation, SWCC

Kingdom of Saudi Arabia



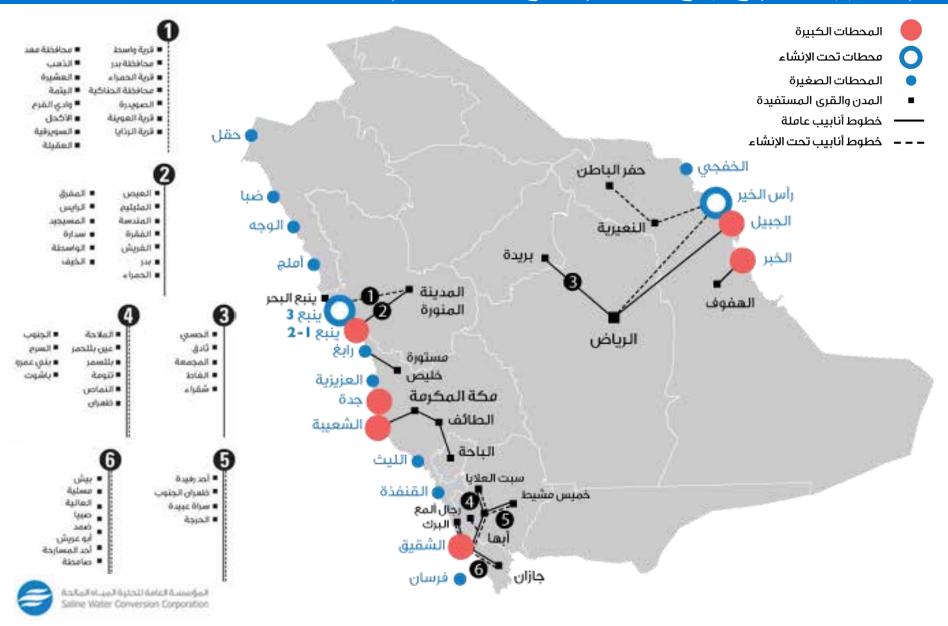




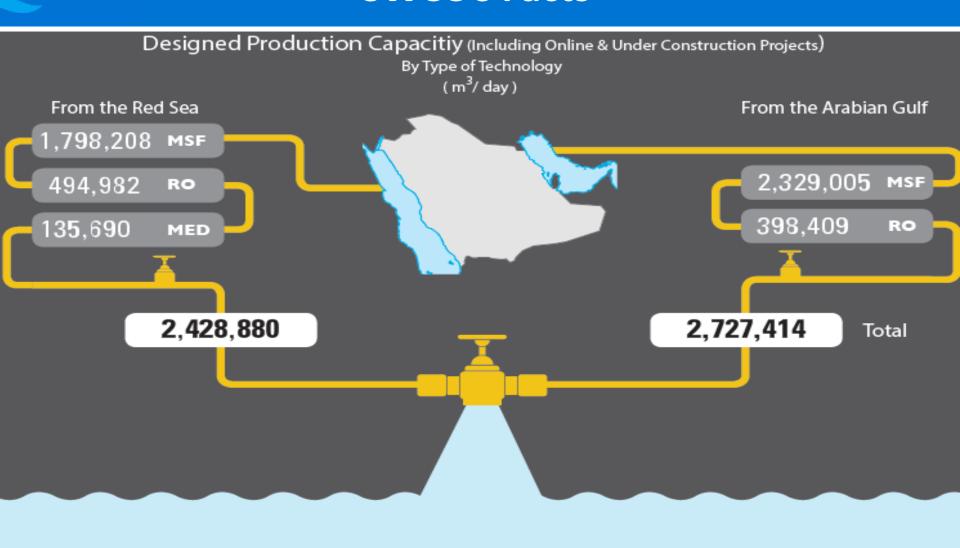








SWCC's Facts

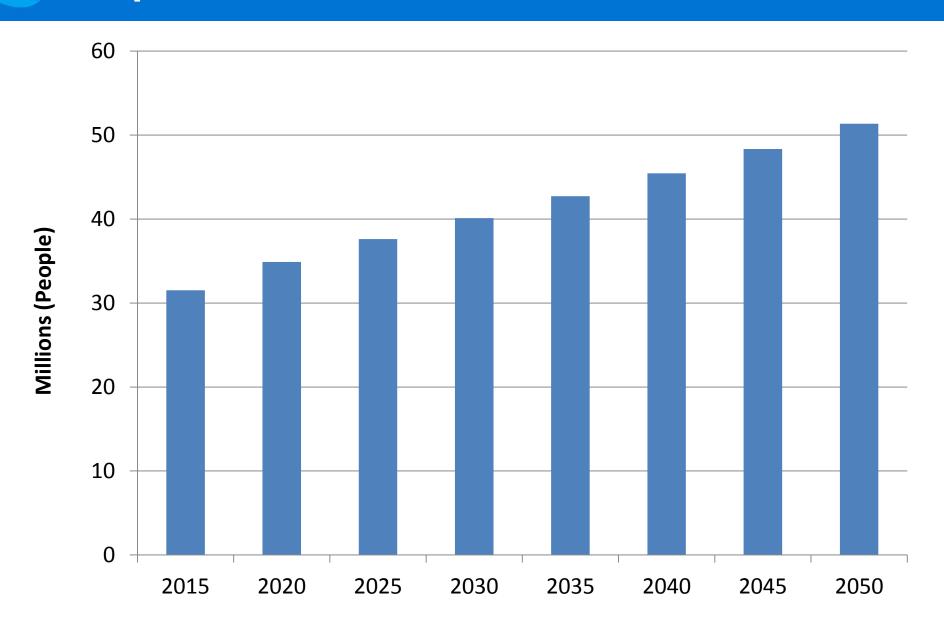


IWPP Projects in Saudi Arabia

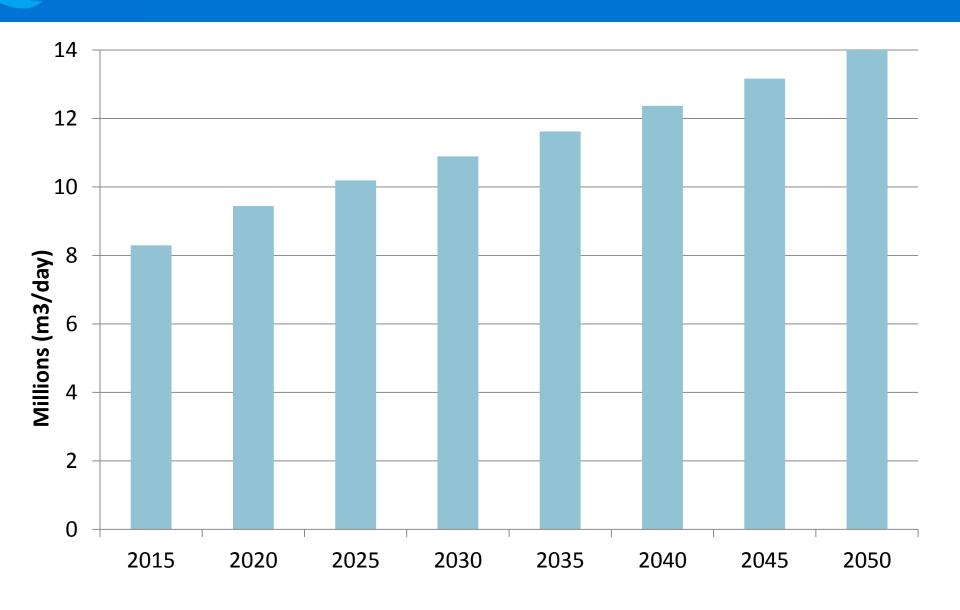




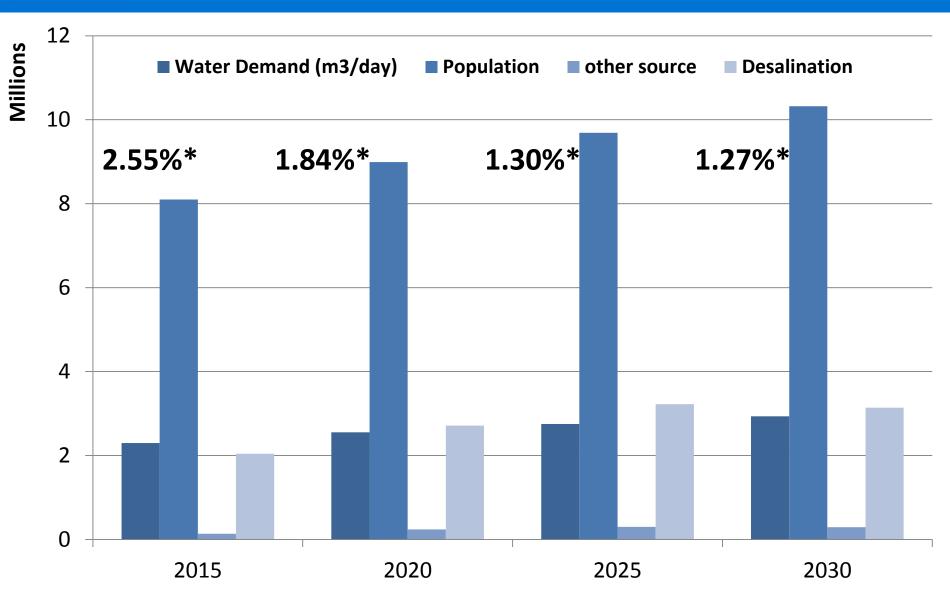
Population in Saudi Arabia



Municipal Water Demand in Saudi Arabia



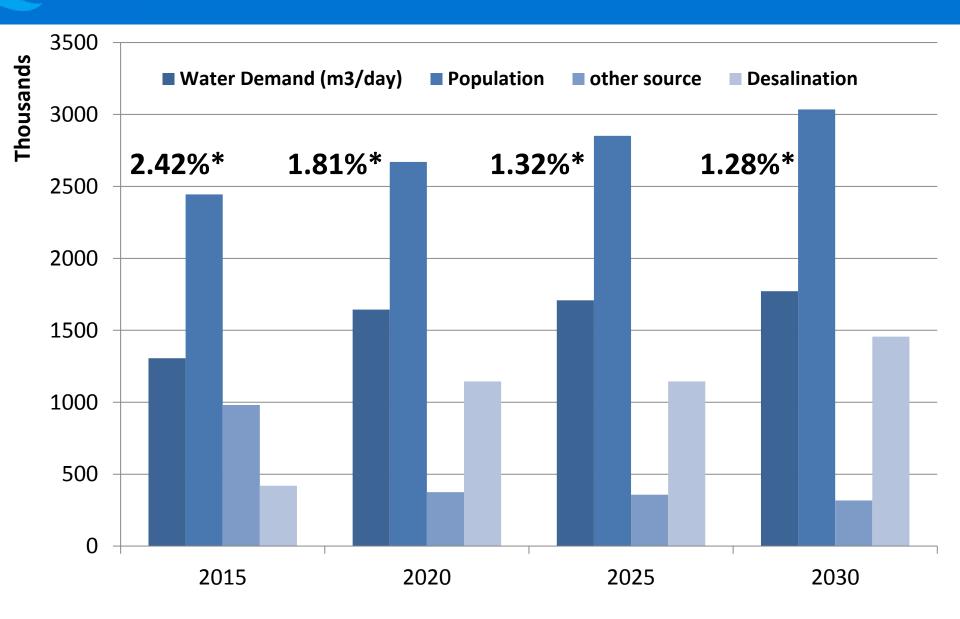
Makkah Province



^{*} Calculated Growth rate

population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

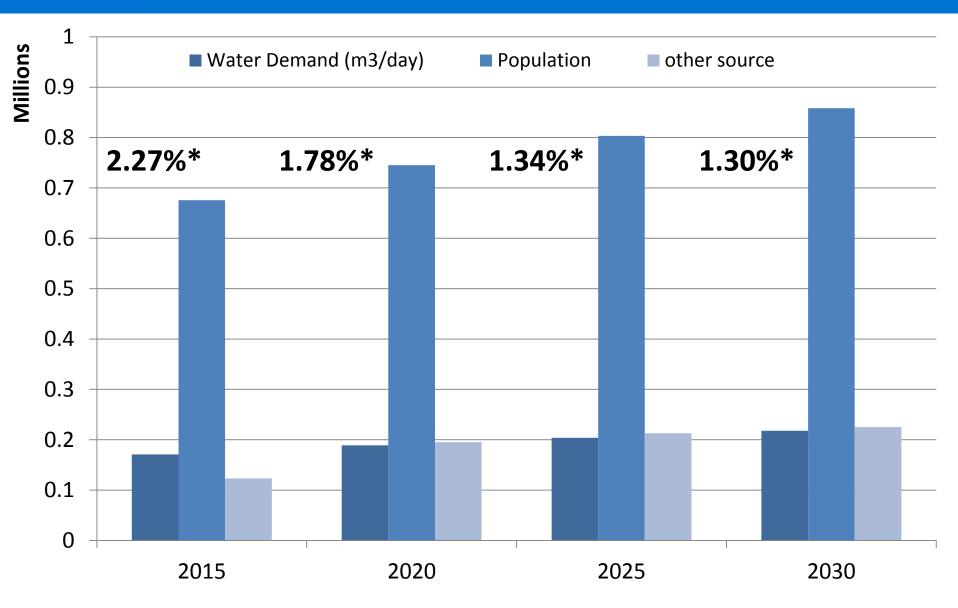
Almadinah Province



^{*} Calculated Growth rate

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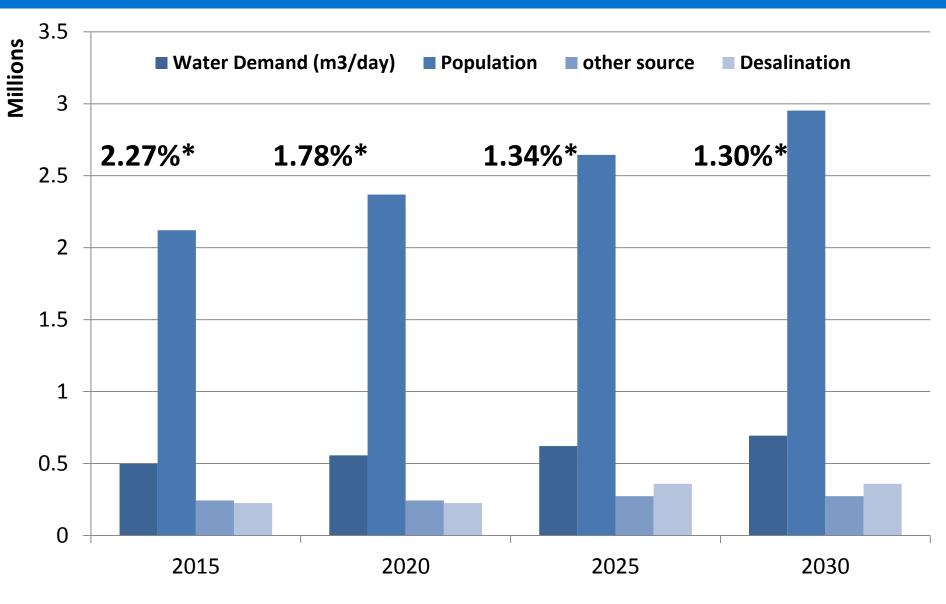
Hail Province



^{*} Calculated Growth rate

population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

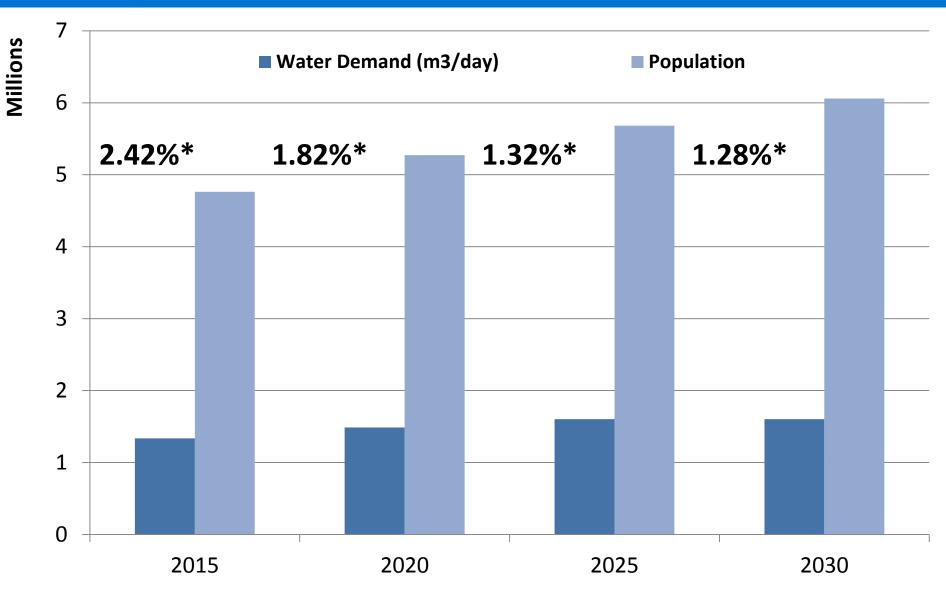
Assair Province



* Calculated Growth rate

population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

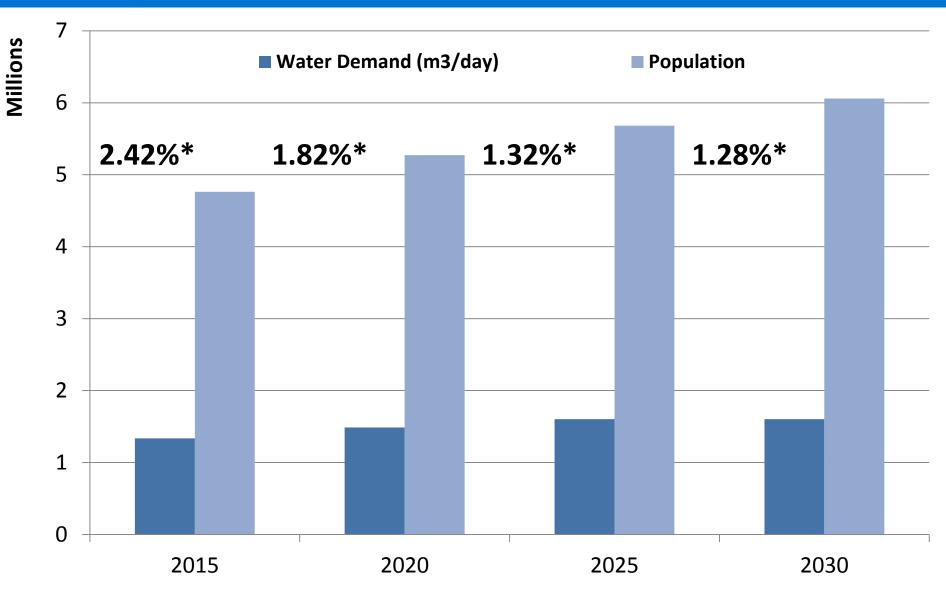
Eastern Province



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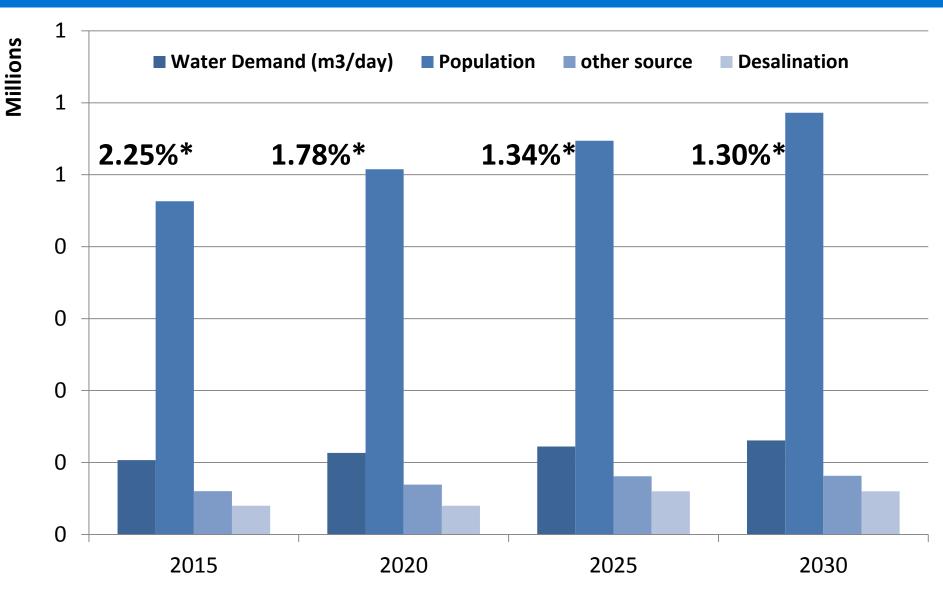
Eastern Province



^{*} Calculated Growth rate

population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

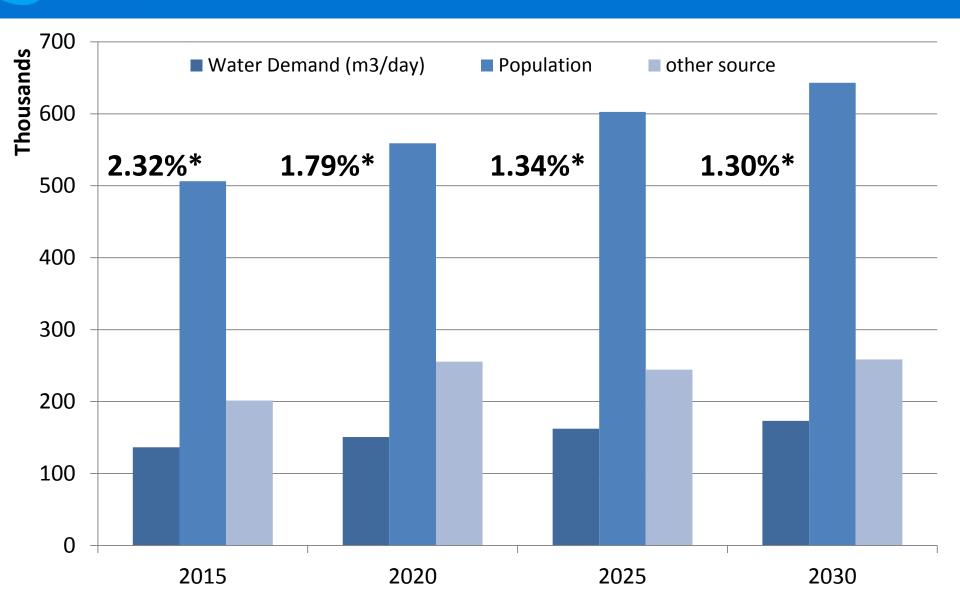
Albaha Province



^{*} Calculated Growth rate

population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

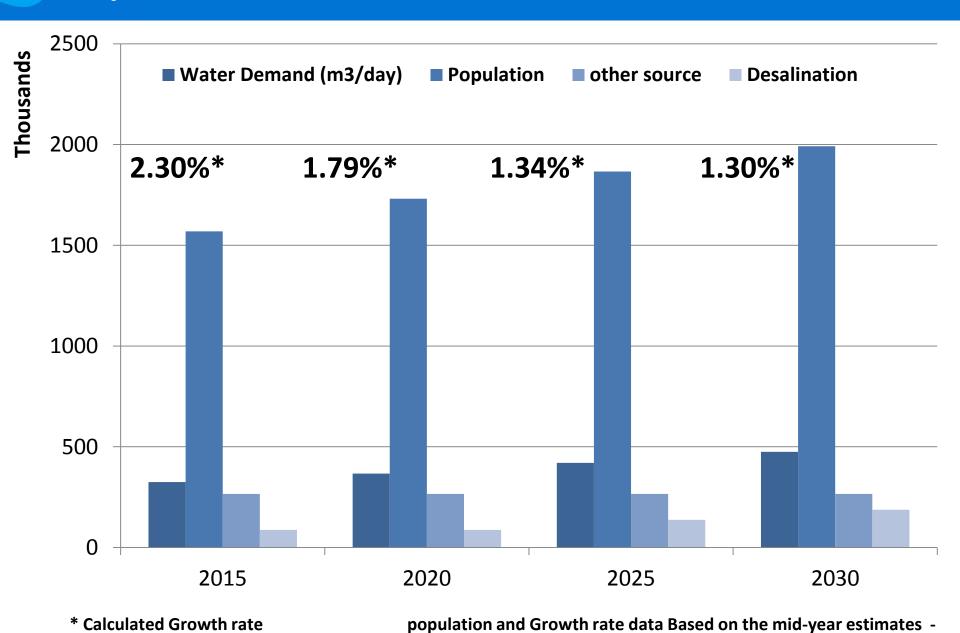
Aljouf Province



^{*} Calculated Growth rate

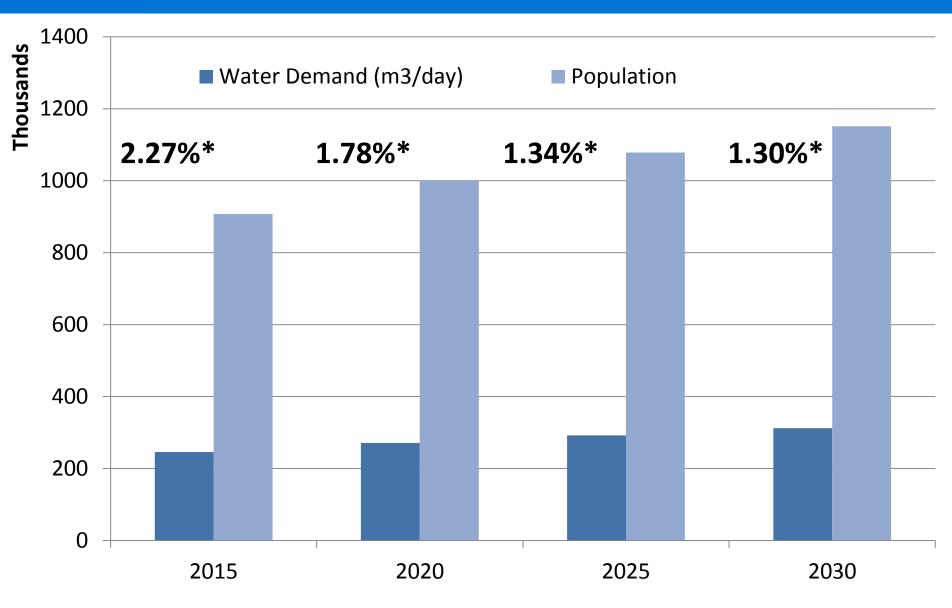
population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

Jazan Province



Central Department of Statistics & Information

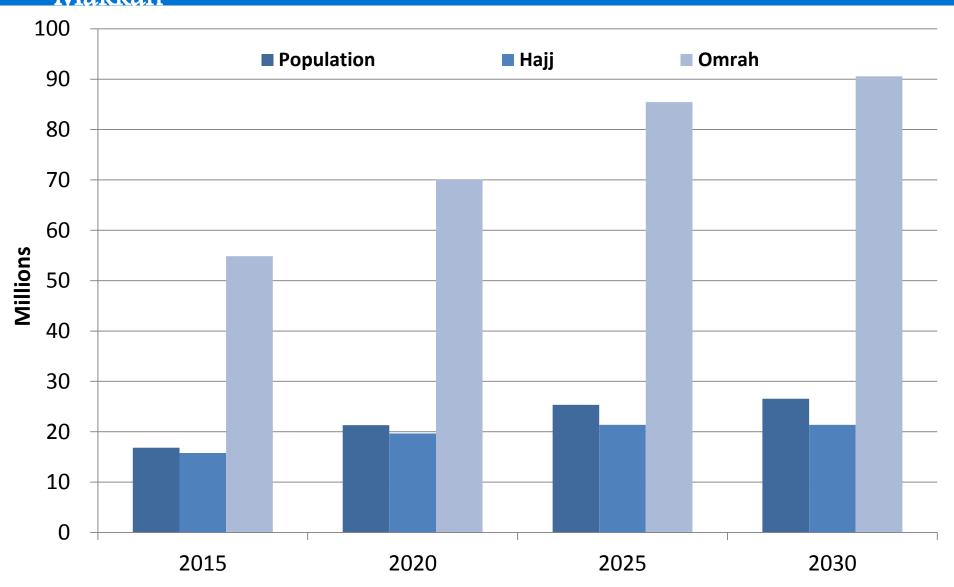
Tabuk Province



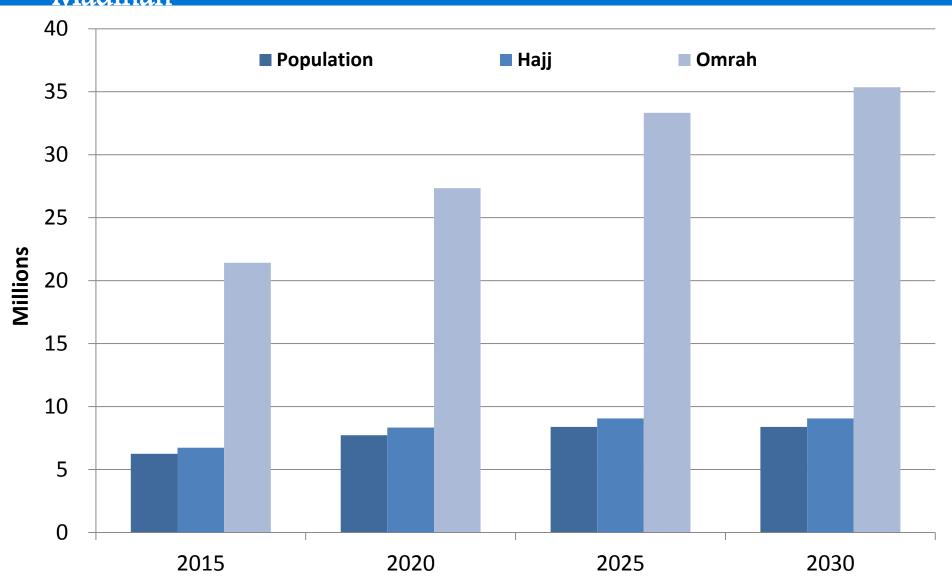
* Calculated Growth rate

population and Growth rate data Based on the mid-year estimates - Central Department of Statistics & Information

Total annual demand for the Hajj season and Omrah (m3/year) in Makkah

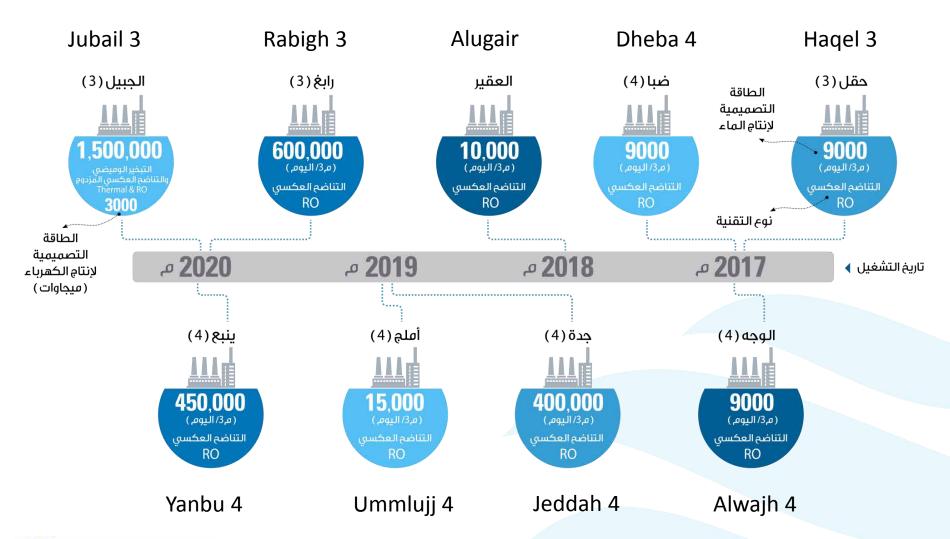


Total annual demand for the Hajj season and Omrah (m3/year) in Madinah





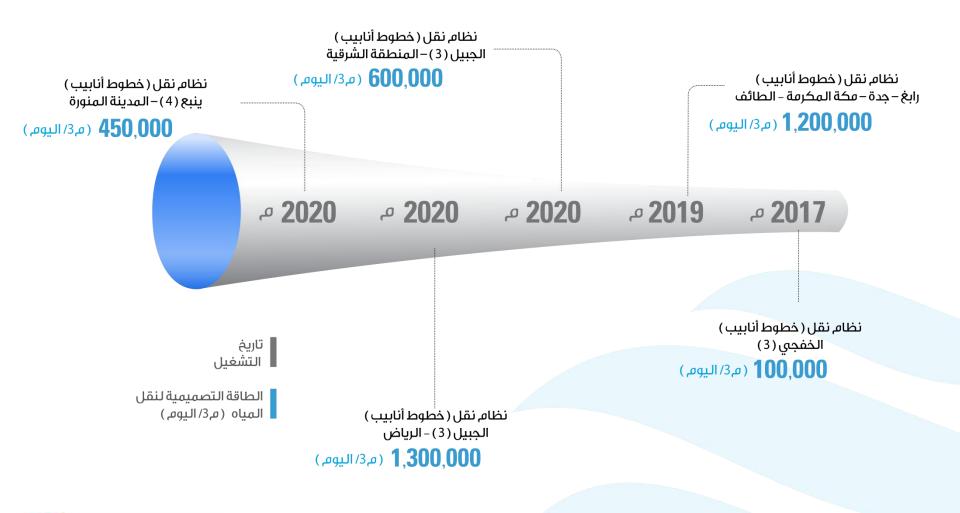
SWCC Plants (2015-2020)



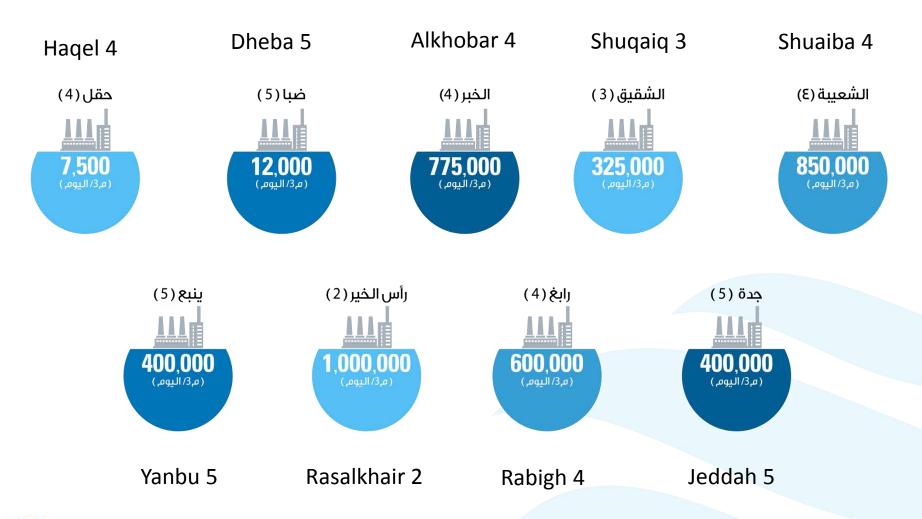


Pipelines Under Design

المؤسسة العامة لتحلية المينا المالحة Saline Water Conversion Corporation



SWCC Future Plants





Thank You



SWCC Vision & Mission Strategic Goals

SWCC Vision

To pioneer and excel in seawater desalination industry and power generation

Mission

We will meet our customers desalinated seawater and power needs 2 efficiently and reliably, 3 at the lowest cost possible and the highest economic return.

- 4We will effectively grow and incentivize our people,
 - 6 advance the desalination industry, and contribute to the social development of the Kingdom while 6 abiding by
 - security, safety and environmental regulations

Focus Areas	Strategic Goals					
Customer Service	Meet our customers' desalinated seawater and power needs and provide our service with the highest quality and reliability					
Operation Excellence	Enhance the operation efficiency and diversify our fuel portfolio.					
Financial Sustainability	Achieve the highest economic return by optimizing revenues and streamlining costs					
Human Resources	Develop, grow and incentivize employees and build local capabilities in a work environment that promotes teamwork, fairness, commitment and a sense of belonging					
Economic Development	Participate actively in the development and localization of the desalination industry					
6 Security and Safety	Conform to best practices in safety and security					
7 Environment	Abide by environmental standards and regulations					

التصديليف على المكلمن طقة من من اطق لمهاكة حسب لحساعة إقت اجش فوبريار 2015م

المحطة (متر مكعب/ اليوم)

(منز منعب (بيوم)										
المجموع	المحطات الصغيرة (حقل – ضبا – الوجه – أملج – رابغ – العزيزية – القنفذة – الليث – فرسان)	الخفجي	الشقيق	الشعيبة	جدة	ينبع	الخبر	رأس الخير	الجبيل	المنطقة
1303800								434,000	869,800	منطقة الرياض
1,970,827	30,827			1,429,195	510,805					منطقة مكة المكرمة
412841						412,841				منطقة المدينة المنورة
926549		22,180					791,469		112,900	المنطقة الشرقية
30000									30,000	منطقة القصيم
										منطقة نجران
225000			225,000							منطقة عسير
82059	7059		75,000							منطقة جازان
40000				40,000						منطقة الباحة
						f.				منطقة حائل
28,769	28,769									منطقة تبوك
										منطقة الجوف
										منطقة الحدود الشمالية
Antoletical	66,655	22,180	300,000	1,469,195	510,805	412,841	791,469	434,000	1,012,700	المجموع