

Amer ALRAJIBA

VP Capacity Planning & Analysis

Capacity Plan 2019-2023

الشركة السعودية لشراكات المياه



Saudi Water Partnership Company

WEC Capacity Plan Statement

This statement provides outlook for planned projects along three water asset classes:

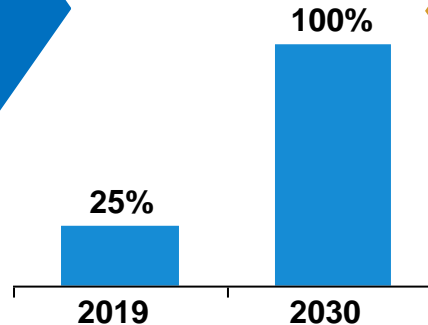
- Desalination plants,
- Sewage Treatment Plants and
- Strategic Reservoirs.

It provides guidance to concerned private sector players on the projects that are expected to be tendered by WEC and, timeline for the realization of key service delivery milestones.



National Water Strategy (NWS)

Desalinated water production via strategic partners (%)

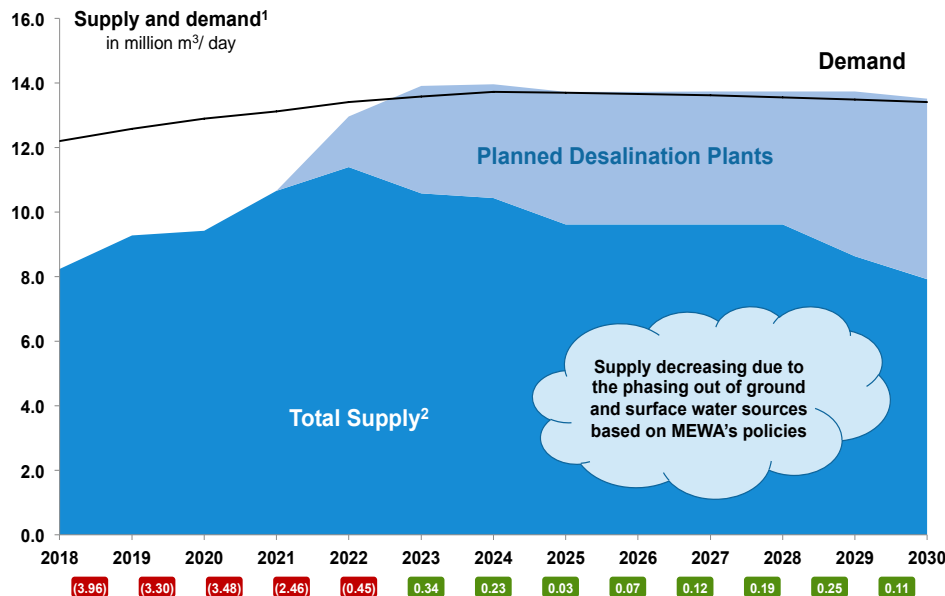


The development of this statement builds on a number of water policies notably

- National Water Strategy 2030 and
- MEWA's supply demand forecast

Bridging gaps in the water production, strategic storage, and treatment capacities by analyzing supply and demand over the next 5 years, and planning for projects accordingly.

Water Supply / Demand Profile 2030



1) excluding Hail, Northern Borders, Najran, and Jawf

2) including current and under development desalinated water as well as supply of groundwater and surface water

Source: MEWA

Shortage/ surplus in million m³/ d



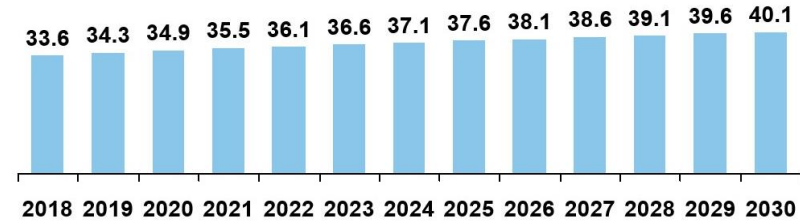
Sewage Treatment Demand

Expected significant Sewage
Network coverage increase **by 2030**
across the Kingdom

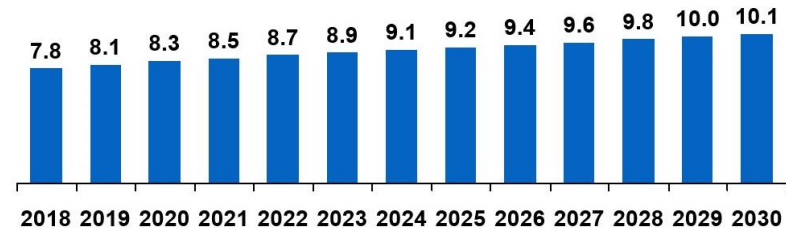


Forecast of water produced/ consumed in KSA

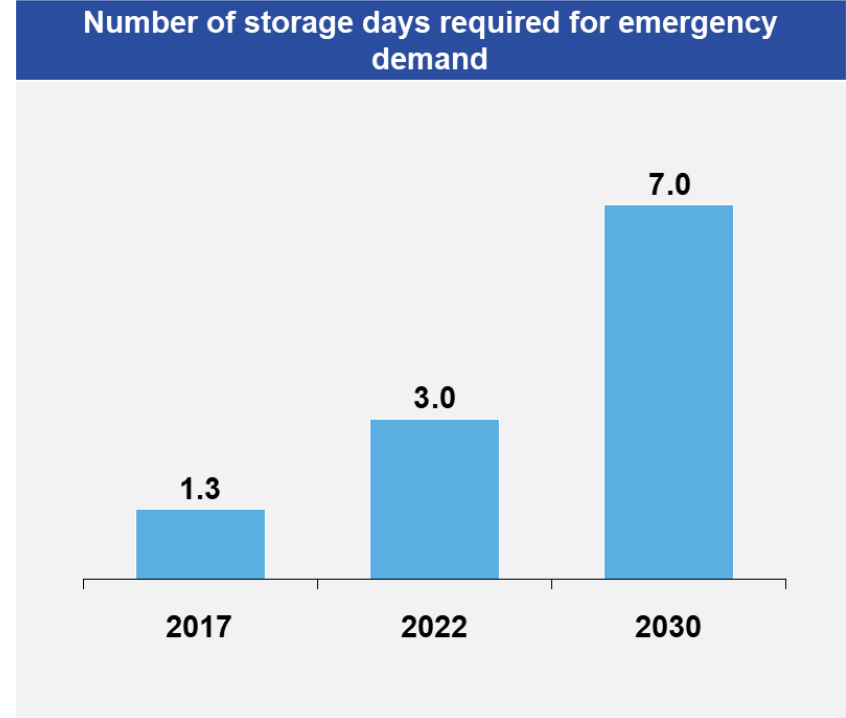
KSA Population Forecast (in Mn)



KSA Total Wastewater Generated (in Mn m³/day)



Strategic Water Storage



WEC Capacity plan process

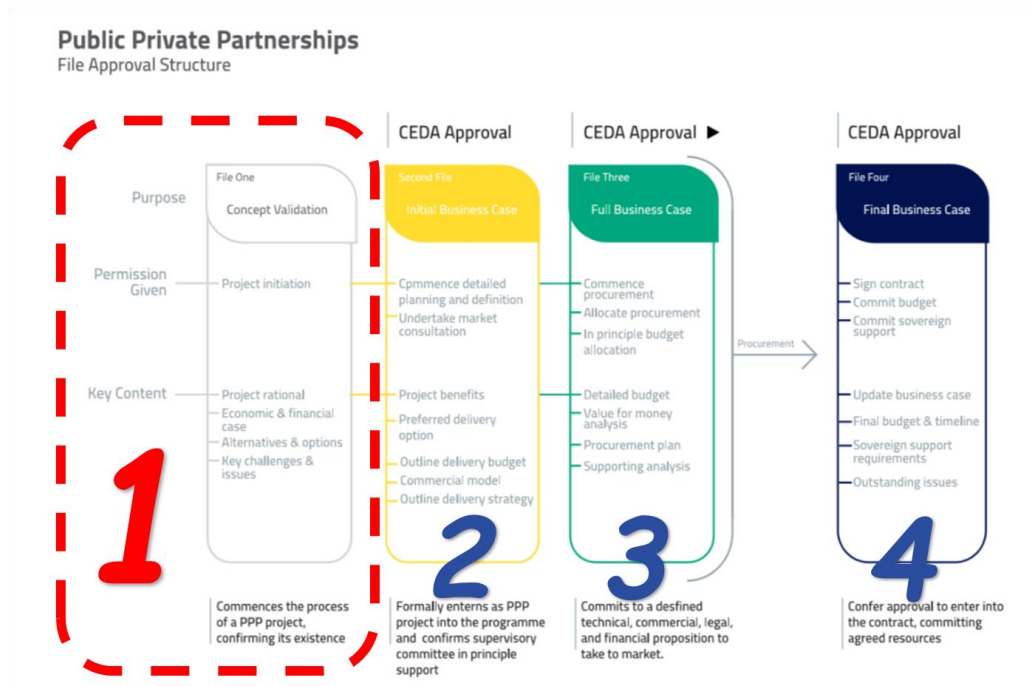


Initiate

Analyze

Approve

WEC Capacity plan process



File 1 preparation

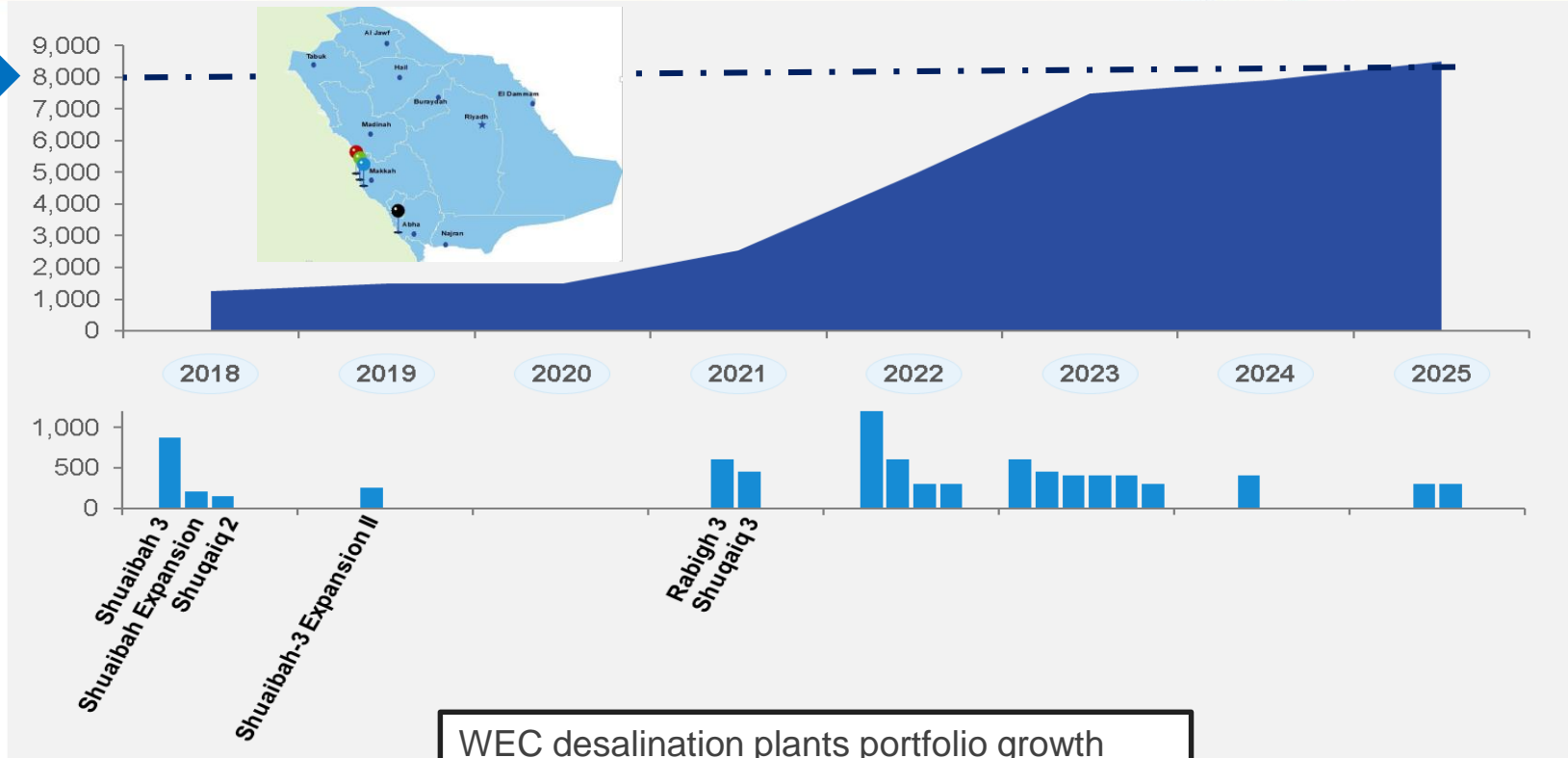
Pre feasibility study which examines at high level the project's need and it's other associated aspects, commercial, legal and financial structure.

File 1 is subject to approval of the Supervisory Committee.

IWP - Portfolio

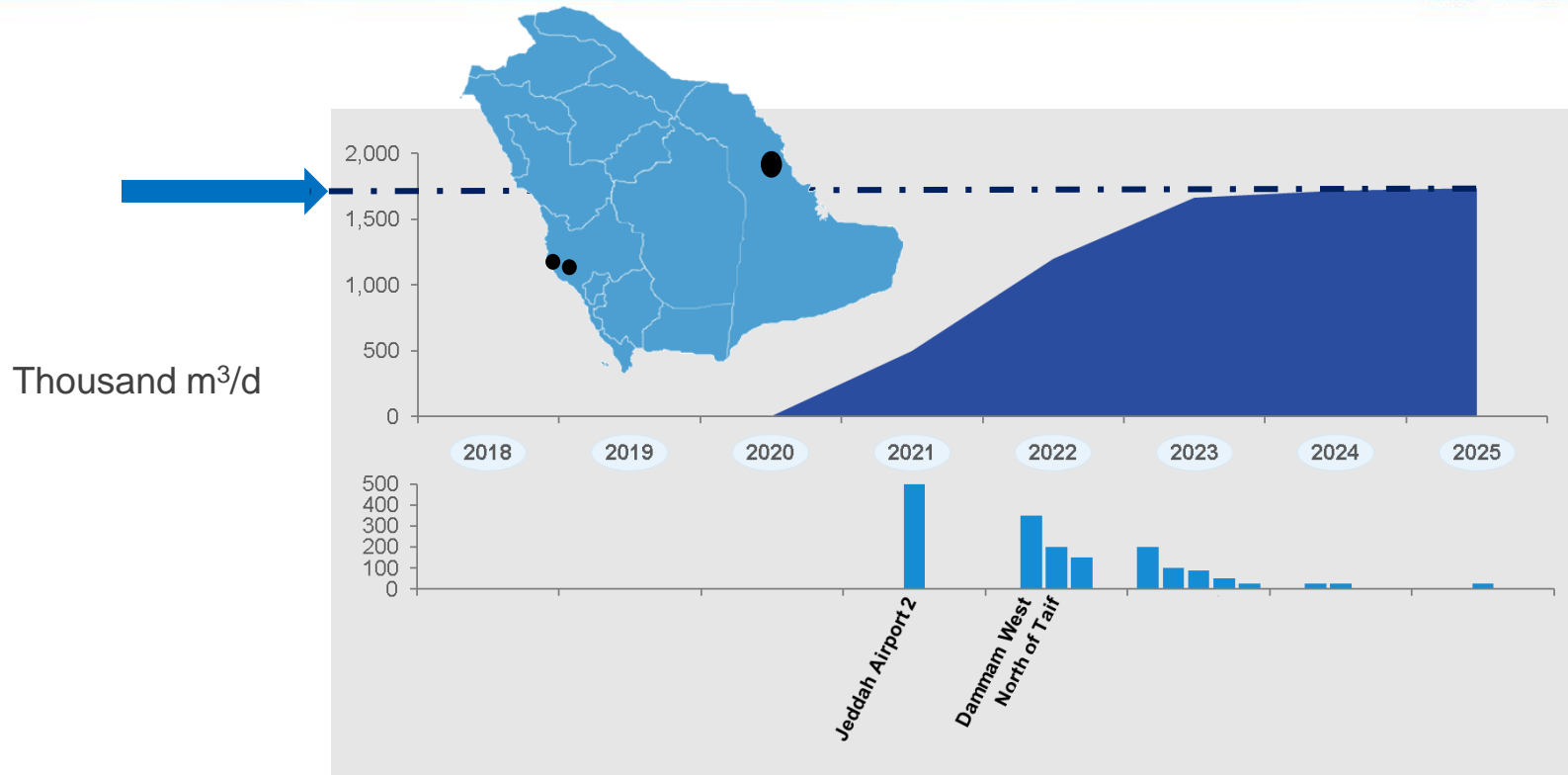


Million m³/d



WEC desalination plants portfolio growth

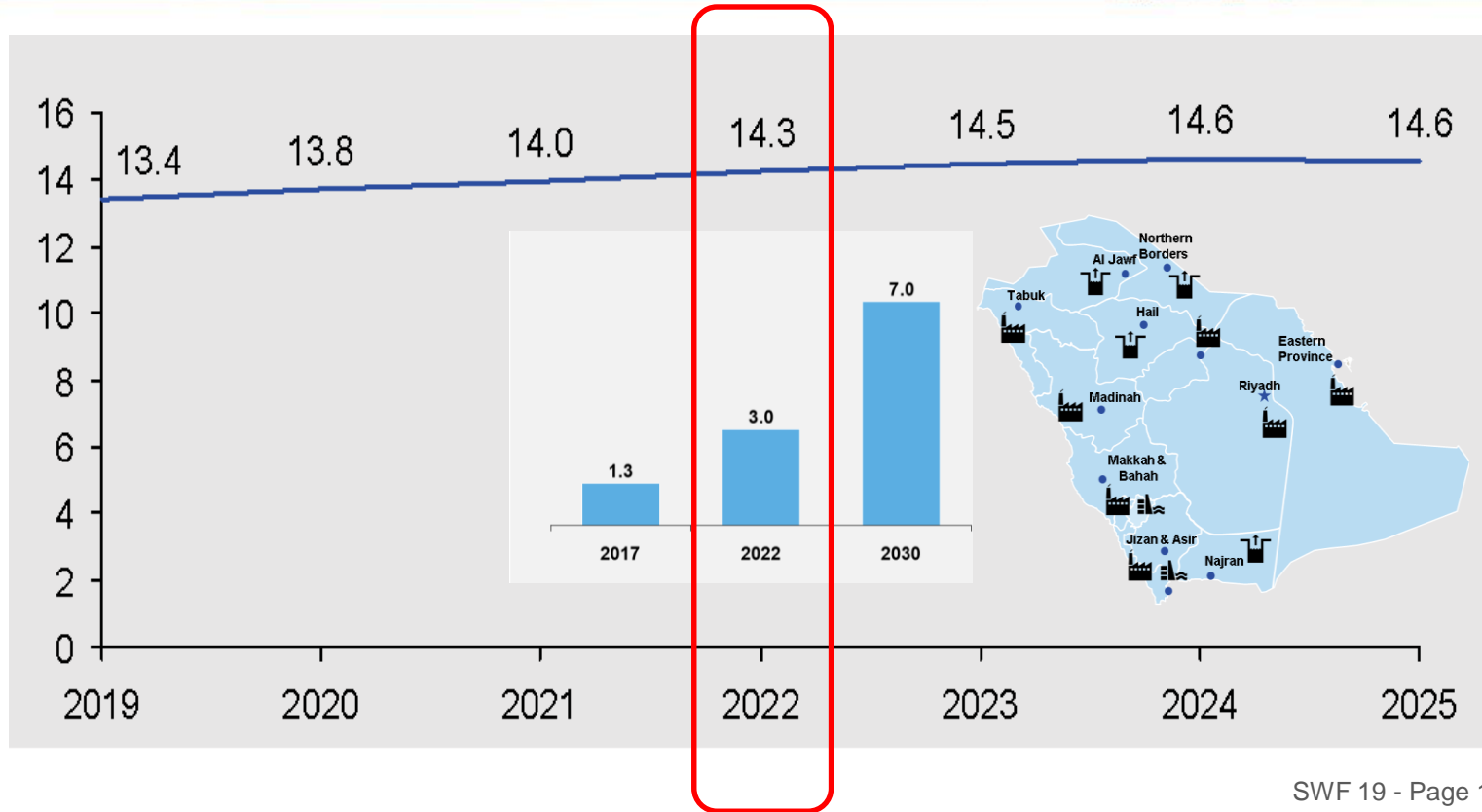
ISTP - Portfolio



WEC STP Portfolio Growth

ISWR - Portfolio

Water demand
(Million m³/d)



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Capacity Planning, Thank you!