

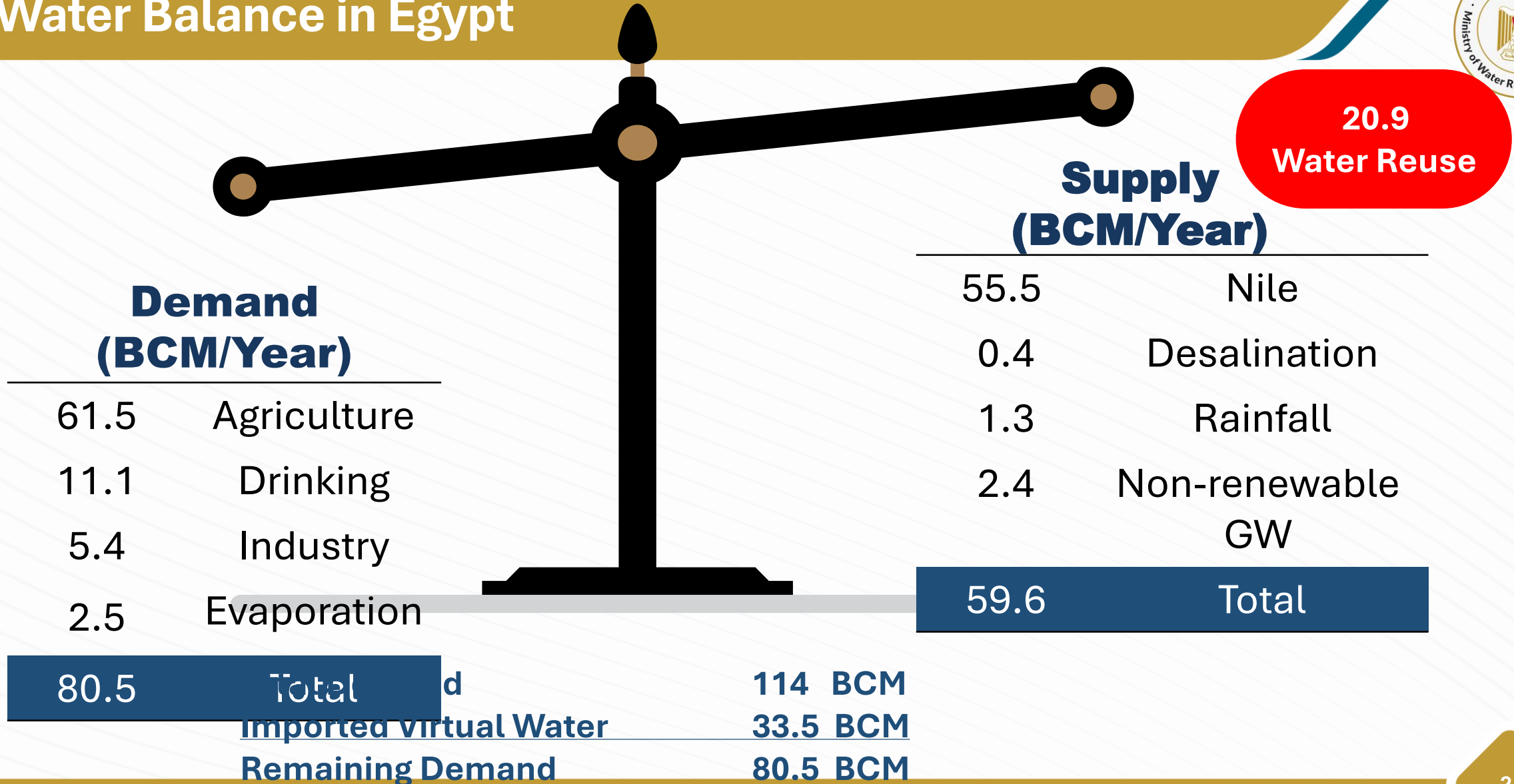


Thematic session 4A: “Reconciling small and large water cycles: a basin-wide strategy for reusing wastewater and other non-conventional water resources for water security”

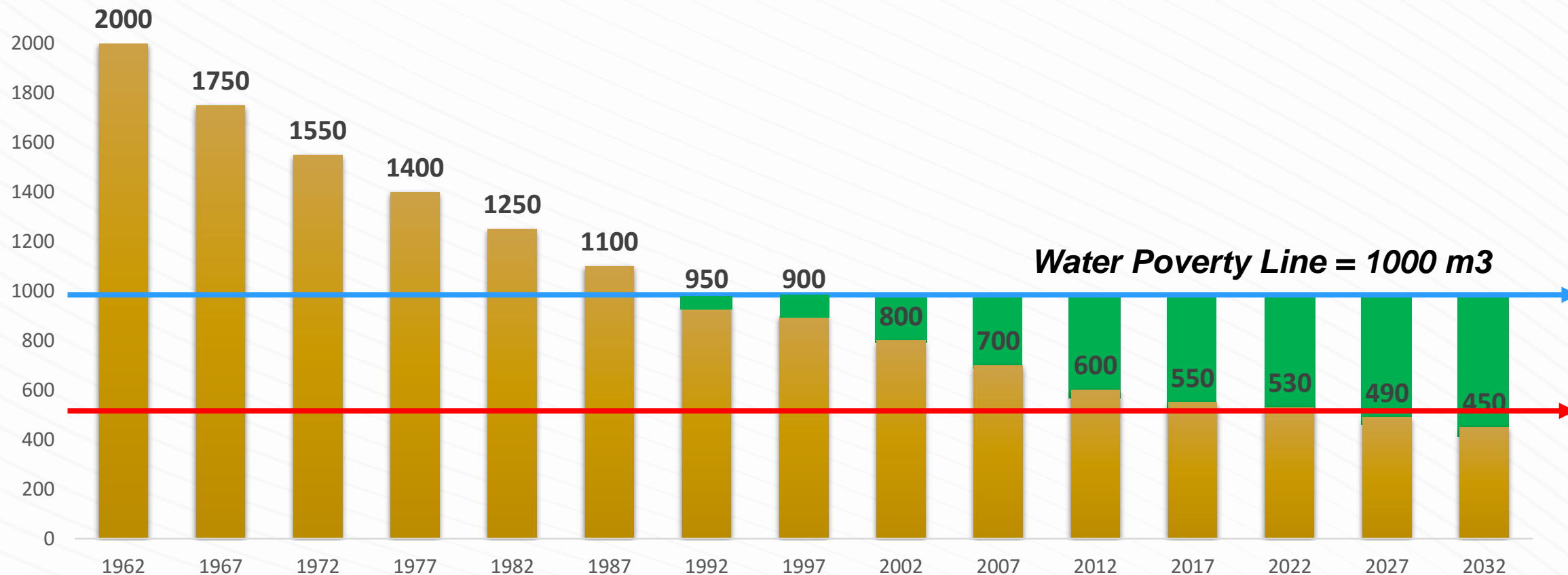
The Case of Egypt

Eng. Loay Sief
General Manager for Mathematical Models
Minister of Water Resources and Irrigation
Arab Republic of Egypt

Water Balance in Egypt



Annual Water Share Per Capita in Egypt





Enhance Water Quality

- Treatment Plants
- Sewage coverage
- Industrial Waste



Rationalize Water Use

- Canal Rehabilitation
- Modern Irrigation
- Water Saving Equipment



Develop Water Resources

- Desalination
- Sustainable Use of GW

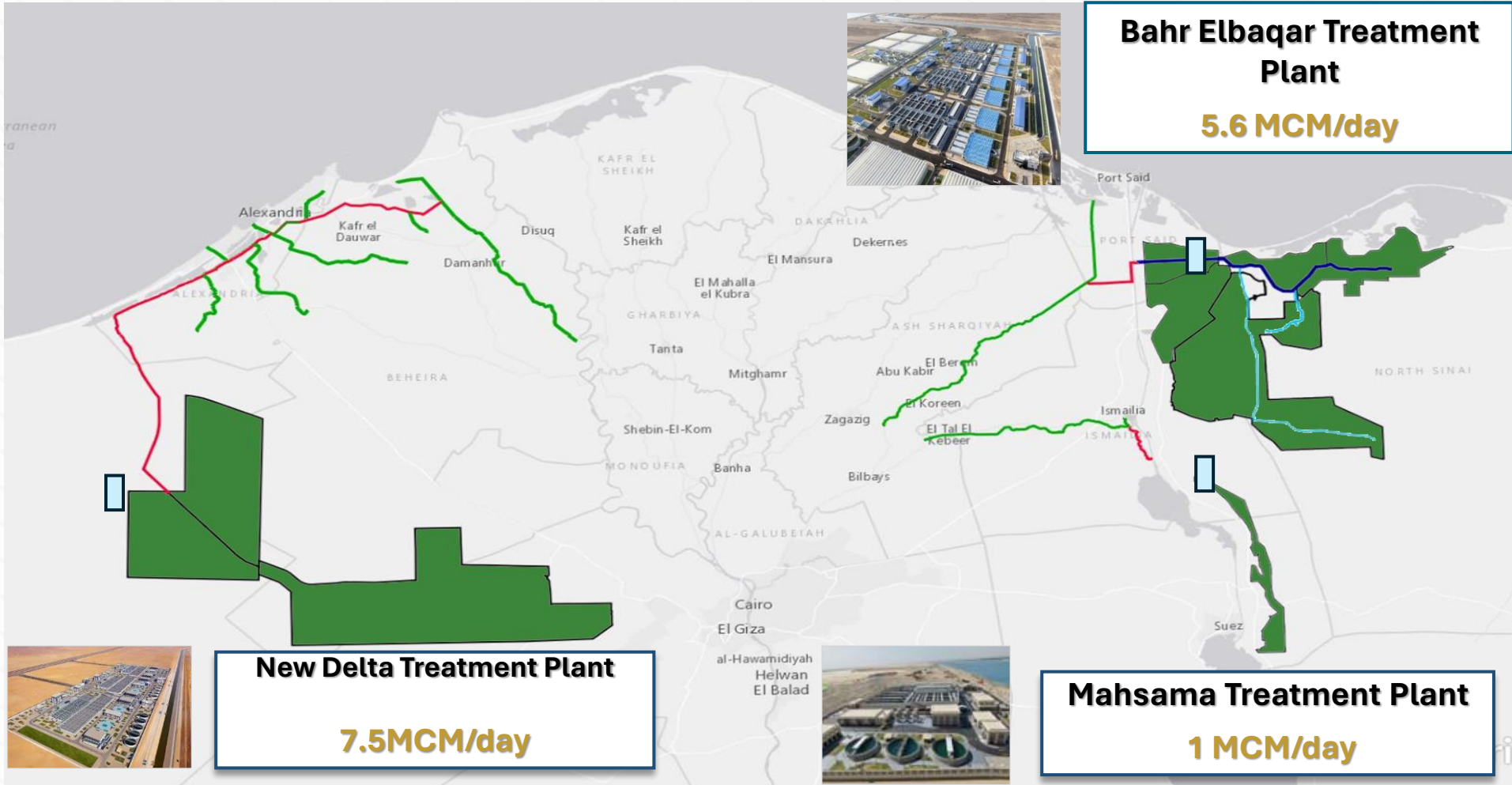


Create Enabling Environment

- Awareness
- Capacity Building
- Financing Instruments
- New Water Resources Law

Paradigm Shift In Water Resources Management

Main Water Treatment Plants



MAHSAMA Drain



1MCM/day
60,000 Fed

Improve WQ

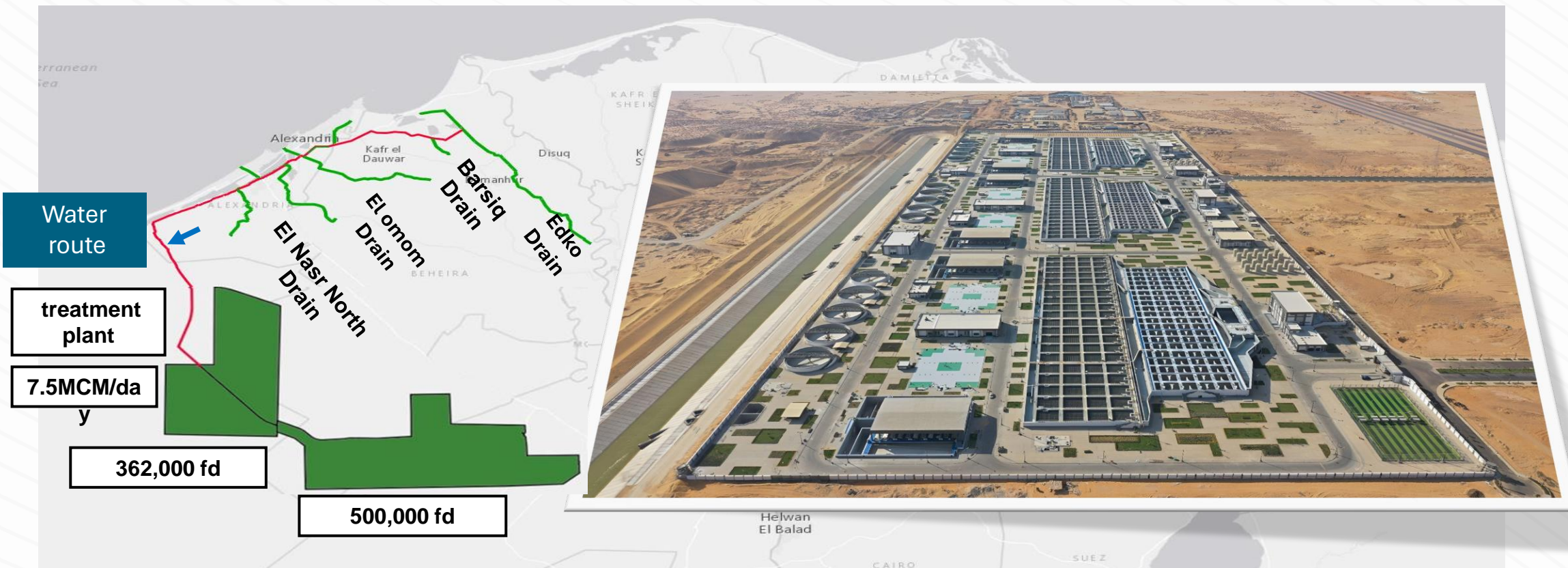
Bahr Al-Baqar treatment plant



- Maximizing the utilization of agricultural wastewater to fill the water deficit,
- Improve environmental conditions in the eastern delta
- Achieve integrated development in Sinai.

Two lifting stations (Bahr Al-Baqar main station with a capacity of 5.6 MCM/day)

The New Delta Project (The Great River)



Components of the New Delta



174
KM

Path
Length

23

Standby
Lifting Unit

22
KM

Pipelines

124

Primary
Lifting Unit

12
Stations

Consecutive
lifting

152
KM

Open
canals

103

Industrial
work

Impacts of Reducing 1 BCM from the Egyptian Share of the Nile



290,000
Losing
their
incomes



150 million \$
Increase in
food import



130,000
hectares of
Cultivated
Land are
Lost



430 million \$
Lost in the
value of
agricultural
production

13th October – 17th October 2024
Water and Climate: Building Resilient
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Thank You

