

Ministry of Utilities of
LIBYA

Water in Libya
Present
Future Goals
&
Investment Opportunities

Mission, Vision

Mission

General Peoples committee for public utilities' mission is to meet the water needs of the Great Socialist People's Libyan Arab Jamahiriya reliably, securely, safely, sustainably, and cost-effectively

Vision

Ministry of utilities' envisages becoming the most efficient and reliable supplier of water in North Africa

Present Water Sources In Libya

Source	GMMR	Ground Wells	Desalination plants	Total
Quantity m3/D	955,00	594,600	140,000	1,689,000
	57%	35%	8%	

Water Sources In Libya



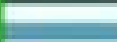

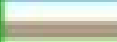
The water sources in Libya are:

- Great Man Made Revier
- ✓ Nowadays about (1.6) million cubic meter/day of ground water transferred to the area of agricultural land , industrial and domestic.
- ✓ Total amount of water will be provided by GMMR about 6 million Cum/day when the Project completed.



مشروع النهر الصناعي العظيم

Project Phases

- | | | | |
|--|-----|---|----|
|  | I |  | IV |
|  | II |  | V |
|  | III | | |

Water Sources In Libya

➤ Desalination plants

- ✓ Existing Desalination plants, produces about (140,000) cubic meter /day desalinated water which is pumped to the area of industrial and domestic uses .

➤ Ground Wells

- ✓ Existing ground wells , produces about (600,000) cubic meter /day of water which is transferred to the area of domestic uses.

Future Plan for Water Sources In Libya

Master Plan Fundamental objectives :

- Securing and guarantee the water supply to all sectors in the country.
- Increasing the level of security, adequacy and redundancy of water supply.
- Reducing Cost by Improving service quality & Efficiency.
- Reducing technical and non technical losses.

Future Plan for Water Sources In Libya

- General Peoples committee for public utilities, have started feasibility Studies to build (10) ten large scale desalination plants. It is expected to construct & operate the plants during the period (2010-2015).
- Most of these desalination will be based on some models of (IWP) such as Build, Own and Operate (BOO) or by any other contractual modality upon agreement of parties.

Future Plan for Water Sources In Libya

The water Expansion Plan

- **1,600,000 Cum/day** capacity need to be added during the Period (2009 – 2015).
- **1,400,000 Cum/day** are needed during the period (2010-2015), based on latest (**RO**) Technology.
- **200,000 Cum/day** under construction desalination Plants divided as follows:
 - ✓ **40,000 Cum/day** Zawara Ext. Operation, 2010
 - ✓ **80,000 Cum/day** Zawia. Partial operation, 2009
 - ✓ **40,000 Cum/day** Sussa Ext. Operation, 2009
 - ✓ **40,000 Cum/day** Darnah Ext. Operation, 2009

Future Plan for Water Sources In Libya

- **The remaining 1,400,000 Cum/day is planned to be constructed in during (2010 – 2015).**
 - ✓ **1000,000 Cum/day** under study.
 - ✓ **200,000 Cum/day** under study.
 - ✓ **200,000 Cum/day** under study.

Future Plan for Water Sources In Libya

➤ Ground Wells

- ✓ New ground wells , of about (140,000) Cum /day of water will be ready for domestic use during the Period (2009 – 2015).

Future Plan for Water Sources In Libya

➤ Water Pipe lines

- ✓ New pipe line system is been contracted in order to allow transferring the water from the different sources to the distribution net work the length of pipe line system is about 5900 km.

Future Water Sources In Libya (2009-2011)

Source	GMMR	Ground Wells	Desalination plants	Total
Quantity m3	1,600,000	740,000	340,000	2,680,000
	%59	29%	12%	

Future Water Sources In Libya (2009-2015)

Source	GMMR	Ground Wells	Desalination plants	Total
Quantity m3	1,600,000	740,000	1,600,000	3,940,000
	%40	20%	40%	

Thank you