

مؤتمر الخليج الرابع عشر للمياه THE 14[™] GULF WATER CONFERENCE

JNDER THE THEME: WATER IN THE GCC...TOWARDS ECONOMIC EFFICIENCY AND FINANCIAL SUSTAINABILITY





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Economic Sustainability of the water sector in GCC Countries

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Presentation Brief

Water Sustainability







Section 1



Water Sustainability







Water Sustainability

Dublin Principles on Water and Sustainable Development :



Fresh water is a finite and vulnerable resource, essential to sustain life, development, and the environment.



Principle 2 a

Water development and management should be based on a participatory approach, involving users, planners, and policy-makers at all levels.



Principle 4

Women play a central part in the provision, management and safeguarding of water.

Water is a public good and has a social and economic value in all its competing uses.







Water Sustainability

Water is at the core of sustainable development and is critical for socio-economic development, healthy ecosystems and for human survival itself.

Sustainable Development includes four key Pillars:



The Four Pillars shall be integrated and considered equally significant in all policy sitting and decision making process to ensure the water sector sustainability







Concept of Water Sustainability

KSA National Water Strategy

"A sustainable water sector, safeguarding and developing the natural resources and the environment of the Kingdom and providing cost-effective supply and high quality services"

The main dimensions of the objectives of the water sector

Availability	Quality	Environmental Sustainability	Economic Sustainability	Affordability
Access	Water Quality	Preservation of Resources Environmental Footprint	Economic Contribution	Price Affordability
Quantity	Service Quality		Contribution to PSP Growth	
Resilience to Emergencies			Localization	Cost Effectiveness









Section 2





















- Between 2009-2019; Floods and droughts floods caused nearly 55,000 deaths and caused US\$76.8 billion in economic losses (including US\$36.8 billion in 2019 alone)
- Over the same period, droughts affected over 100 million people, killing over 2,000 people more, and directly causing over US\$10 billion in economic losses









Most countries of the world, including our GCC countries, face great challenges in providing the additional investments required for the water sector The value of the additional investments required until 2030 to achieve the sixth sustainable development goal of achieving universal access to safe and affordable drinking water was estimated to be about \$1.7 trillion.

OECD estimated that the value of additional investments required until 2030 to meet global water challenges is about 6.7 trillion US dollars by 2030 and will reach 22.6 trillion US dollars by 2050.

The size and magnitude of the water challenges and the value of the additional investments needed highlight the significant of ensuring economic sustainability across water sector activities







Economic and Social Return on Investment in Water and Sanitation Services by Region







Section 3

<image>

Water Sector Economic Sustainability Indicators







Water Sector Economic Sustainability Indicators



Average Population Growth Rate

Level of water stress: Freshwater withdrawal as a proportion of available freshwater resources)









Water Sectro Economic Sustainability Indicators











Water Sector Economic Sustainability Indicators









Water Economic Sustainability Indicators

Non Revenue Water











Section 4



Conclusion Remarks







Conclusion Remarks

To achieve the economic sustainability, Water sector need to:



Increase the Private sector participation in water sector projects and enhance its economical efficiency.

Adapt modern financing approaches such as Green Finance and Blending Finance.

Minimize NRW and enhance cost recovery in all water services and projects .

Upgrade the Water Tariff to reflect the true socio-economic value of water.



Mandate the preforming of economic sustainability assessment study for water projects as **pre - request** for financing approval.



Enhance the implementation of economic analysis techniques throughout water sector planning and decision making process to identify effective measures to enhance the economic sustainability of the sector.







Key References









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Thank you



https://g20waterplatform.org.sa/Pages/default.aspx



