

MANILA WATER's Contribution to the Blue Economy



**WATER SUPPLY AVAILABILITY:
3.1 million customers**

**ILLEGAL
CONNECTIONS**



LEAKS



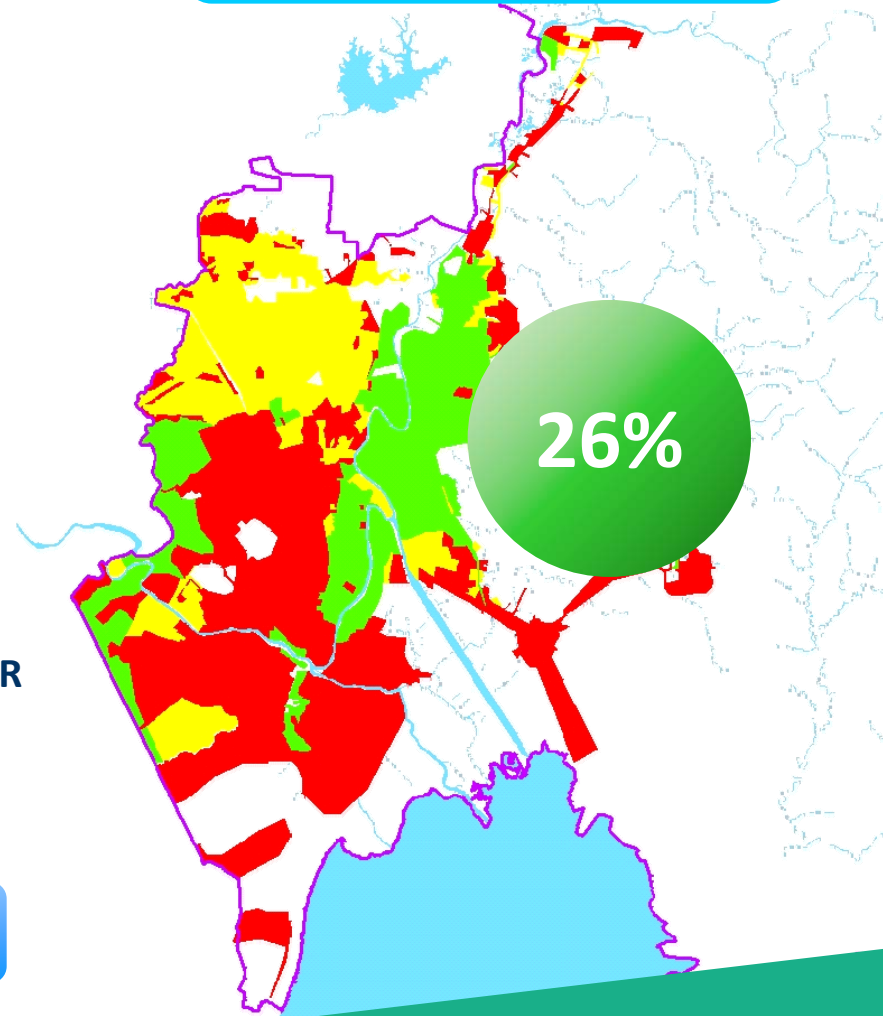
**LOW WATER
PRESSURE
TO NO WATER**



**POOR CUSTOMER
SERVICE**



LOW SEWER COVERAGE (only 3% coverage)



Pre-1997
Challenging Conditions Before the PPP

City	Population (million)	Water Availability (hrs/day)	Water Coverage (% of pop)	Non-Revenue Water (% of prod)	Staff/1000 Connections
Manila East (1996)	3.1	16	58	63	9.8
Singapore	3.0	24	100	7	2.0
Hong Kong	6.3	24	100	36	2.8
Seoul	10.6	24	100	35	2.3
Kuala Lumpur	1.4	24	100	36	1.4
Bangkok	7.3	24	82	38	4.6

Metro Manila vs. Key Asian Cities



Metropolitan Waterworks and Sewerage System (MWSS)



Metro Manila's West Zone



Metro Manila's East Zone

**The 1997 Public-Private
Partnership**

Expand Service Coverage



Improve Service Delivery



**Increase Operating
Efficiency**



Objectives of The 1997 Public-
Private Partnership

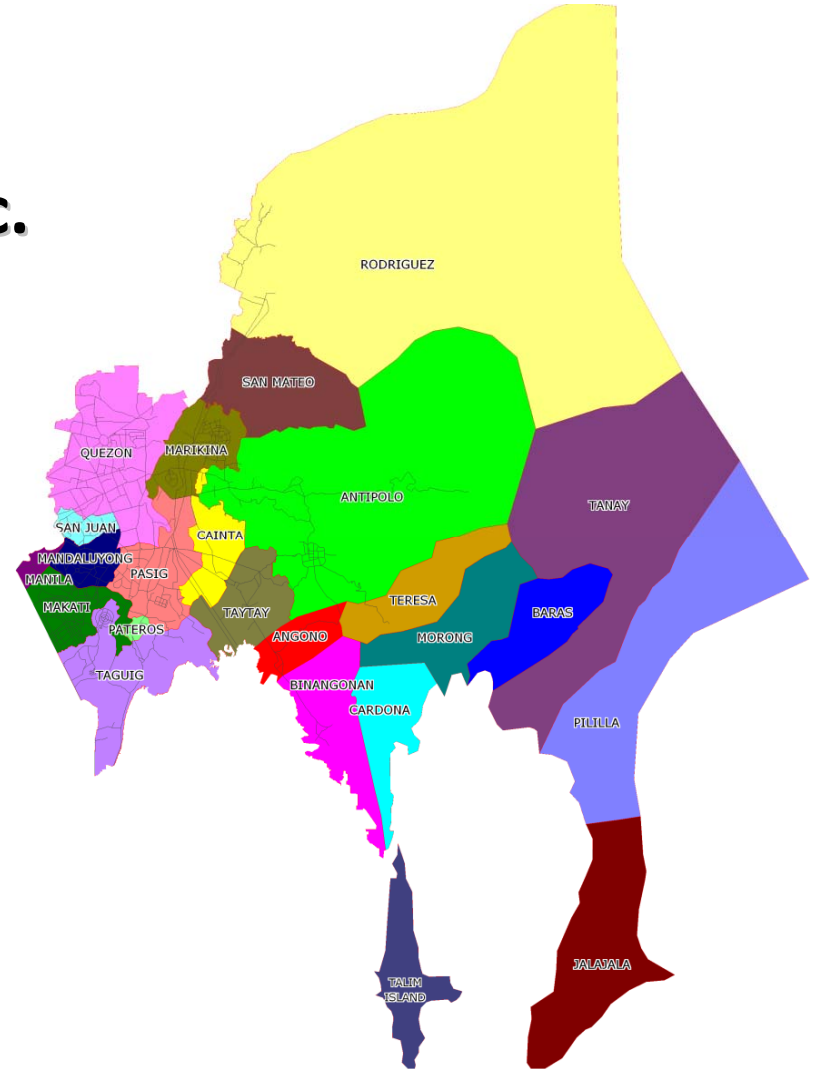


Improving The Quality of Life

The Manila Water Company, Inc.

East Zone Concession Area

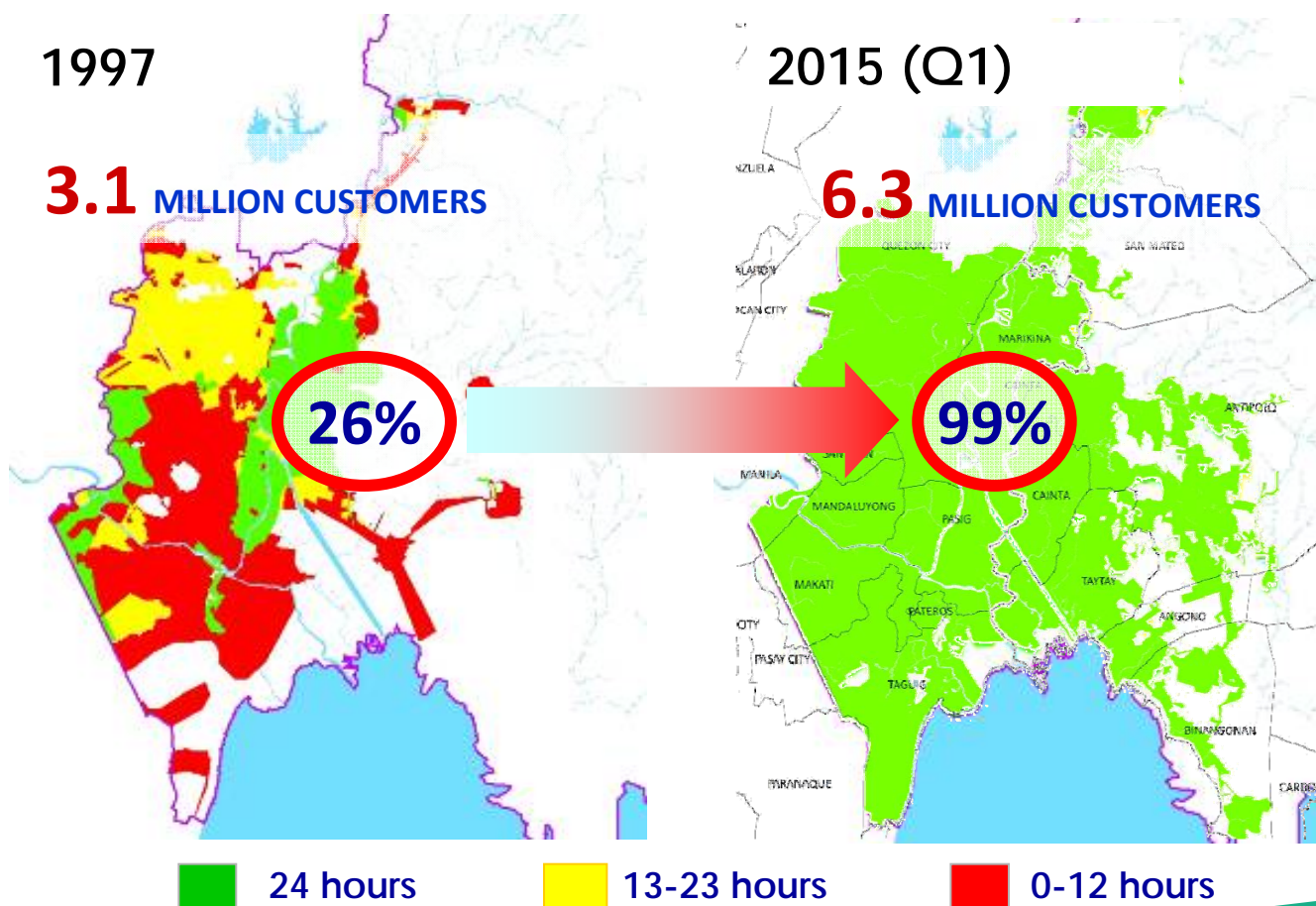
- 💧 Covers **23** cities and municipalities
- 💧 Includes **major business centers** in Metro Manila
- 💧 Spans **1,400** square kilometers
- 💧 Serves **6.3** million customers





Transformative Power of Bold
Leadership and Empowerment

Results of Public-Private Partnership *24/7 Water Availability*





Expansion of Water Mains and Distribution Lines

Replacement of nearly 90% of the water network



Reduction of Water Losses from 63% Down to 11%

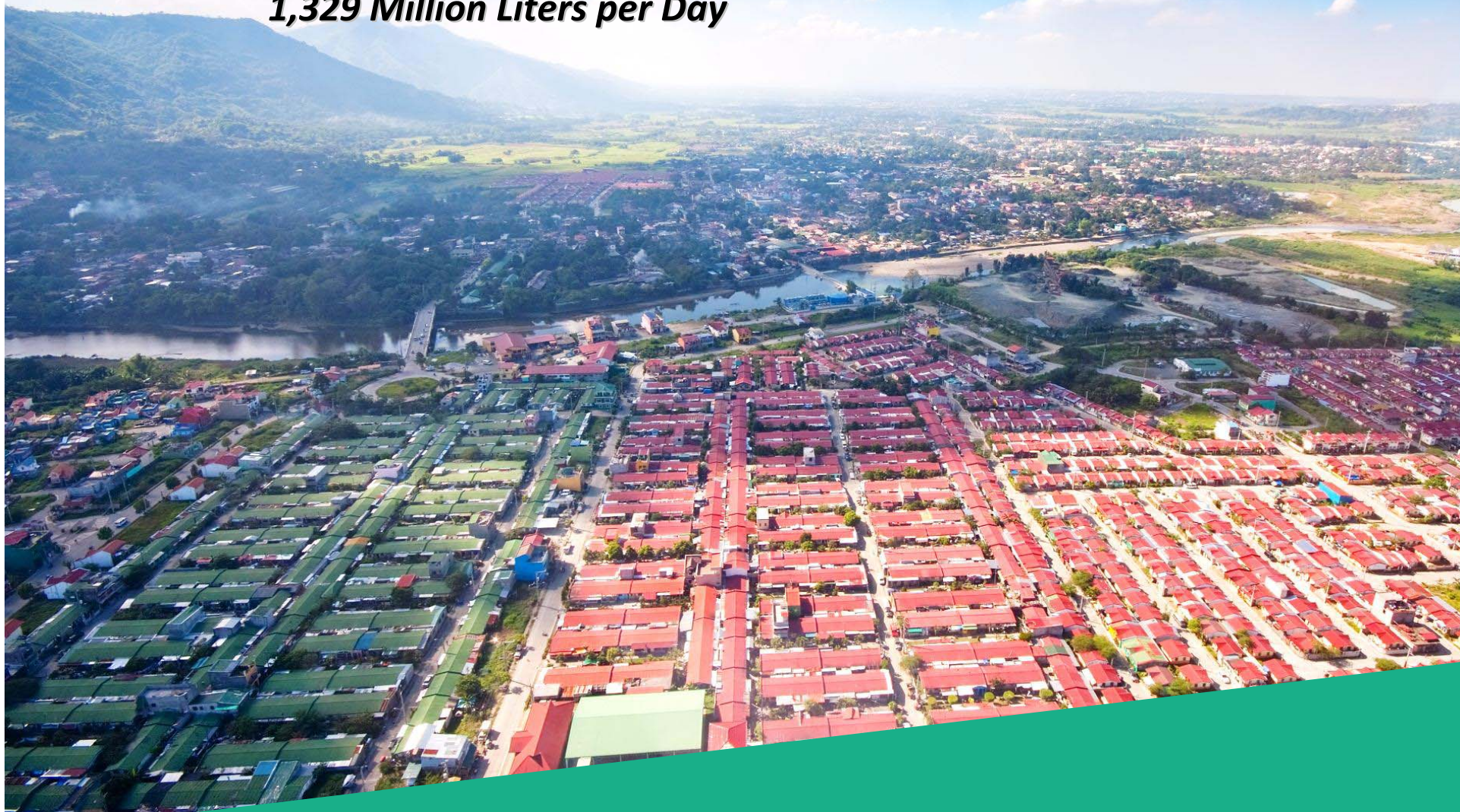
Unprecedented in the history of the Philippine water sector





More Water Delivered to Customers

1,329 Million Liters per Day



City	Population (million)	Water Availability (hrs/day)	Water Coverage (% of pop)	Non-Revenue Water (% of prod)	Staff/1000 Connections
Manila East (1996)	3.1	16	58	63	9.8
Manila East (2014)	6.3	24	99	11	1.4
Singapore**	4.0	24	100	5	2.0
Hong Kong*	6.9	24	100	25	2.3
Seoul*	10.3	24	100	25	1.4
Kuala Lumpur*	1.4	24	100	43	1.4
Bangkok**	7.6	24	100	37	3.6

*ADB Water in Asian Cities 2004

**ADB City Water Profiles 2001

Metro Manila vs. Key Asian Cities



USED WATER



Septic Tank Desludging Program

Results of Public-Private Partnership

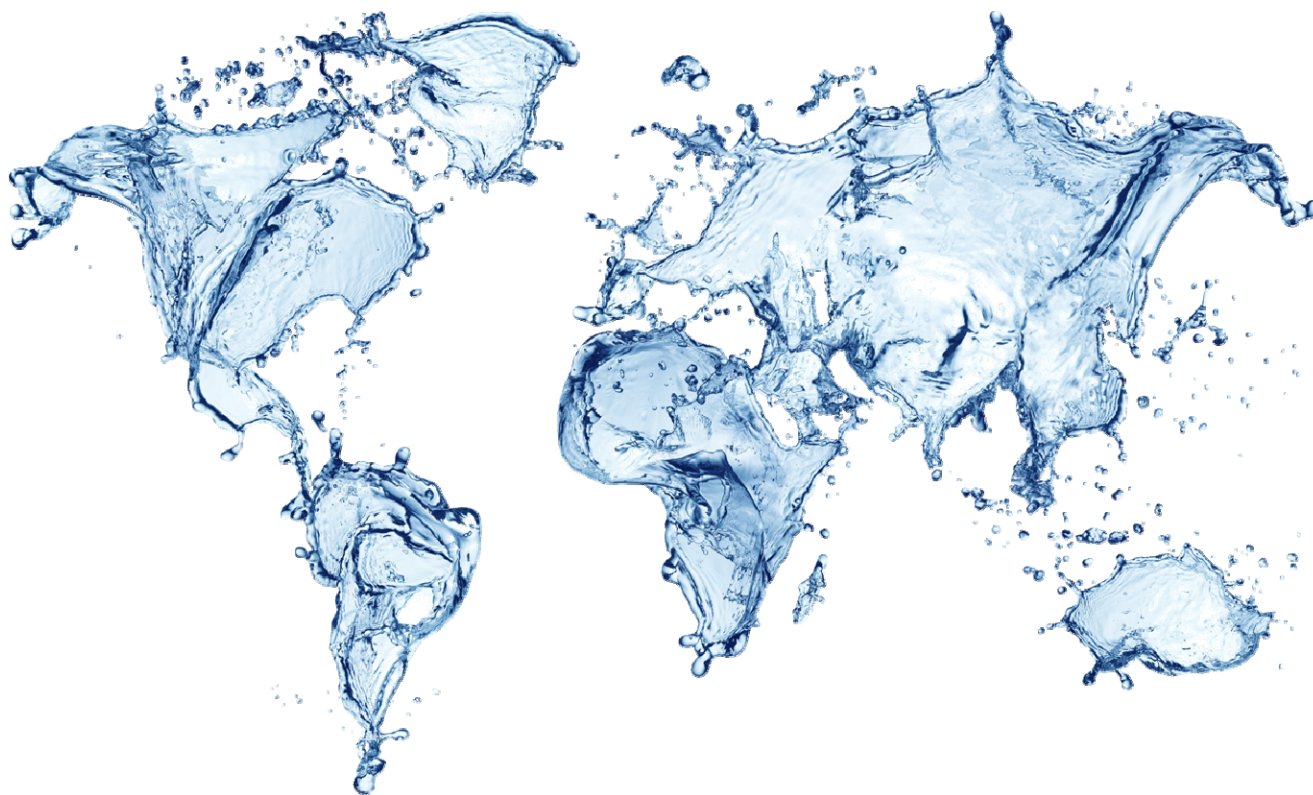
Sewerage and Sanitation



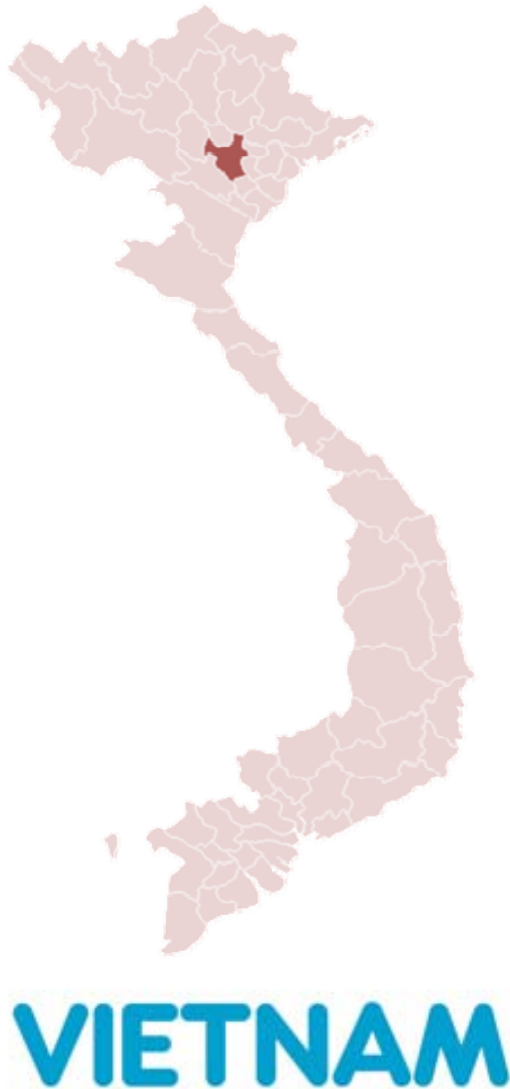
Results of Public-Private Partnership

Improved Sewer Coverage





Contributing to the Blue Economy beyond the East Zone



Zone 1 Project – 5 Year Management contract for leakage reduction

Investment in Thu Duc Water and Kenh Dong Water

Stake in Saigon Water Infrastructure Corporation and establishment of Asia Water Network Solutions



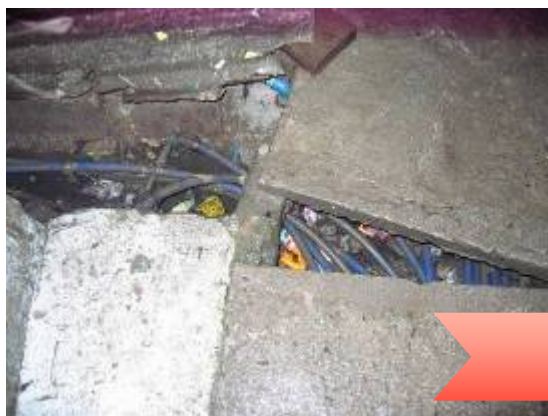
SUSTAINABLE DEVELOPMENT

Sustainability Framework



Building Communities

Water for The Poor Program



ILLEGAL CONNECTIONS



**REGULAR WATER SERVICE
CONNECTIONS**



**POTABLE / AFFORDABLE
WATER AT THE TAPS**

1.8 million people from
marginalized communities served.

'Water for the Poor' is Manila Water's flagship program to enable urban poor communities to gain greater access to potable water.

Safeguarding Health and Safety

Public Service Institutions



More than 300
Institutions



1.5 M
Beneficiaries



Protecting the Environment

Watershed Management



99 hectares
Forest Rehabilitation

Groundwater Protection





The first and the only environmental movement in the Philippines on Wastewater and its effects on our rivers and waterways.

Key Message

We all have our own stake (“Toka”) on reviving our rivers.

Objective

Educate...

Influence...

Engage...

Juan dela Cruz on wastewater management, as his extended responsibility to the environment.



4-Ownable Acts

- 1 – **Segregating** garbage
- 2 - **Desludging** septic tanks every 5 years
- 3 – **Connecting** to Manila Water's sewer line
- 4 – **Educating** your community through Information Drives



Manila Water and the Blue Economy

Through the PPP model:

- We are able to empower people by providing a water lifeline to communities and businesses, while conserving precious water resources by being efficient in operations.
- We contribute to the recovery of polluted water bodies by collecting and treating used water.
- We enhance the development of countries by investing in essential water infrastructure and practicing inclusive business
- We exercise sustainability leadership by continuously engaging our stakeholders

Challenges

- Breaking down pre-conceived notions that businesses exist only for profit-making
- Establishing a critical mass of businesses that understand their bigger role in society and the massive impacts they can contribute beyond the usual economic growth
- Governments providing pragmatic environment for business to contribute more through adoption of effective Public Private Partnership (PPP) models.



“...a mission to fulfill,
not a business to run...”

Fernando Zobel de Ayala
Chairman
Manila Water Company

