MWA's Roles Towards Efficient & Sustainable Water Services

22nd Oct. 2015
Associations Meeting
JWWA General Assembly & Conference 2015
Saitama-Shi, Japan

Status of Water Services in 2014

Design Capacity (MLD)	Production Capacity (MLD)
18,730	15,790

Population Served	Urban (%)	Rural (%)	Country (%)
	97.1	92.6	95.3

Connection	Domestic (No)	%	Non Domestic (No)	%	Total
	6,328,830	86.4	999,529	13.6	7,328,359

Staff Employed	Total (No)	Non-Executive (%)	Executive (%)	Management (%)
	19,419	86.4	9.6	4.0

Status of Water Services in 2014

Type of Pipes	Percentage (%)	Length (km)
AC	30.0	43,076
MS	29.3	42,036
CI	0.6	835
DI	7.7	11,053
PE	16.8	24,163
uPVC	14.4	20,664
Others	1.2	1,787
	Total Length	**143,615**

Status of Water Services in 2014

Financial	Revenue (RM'000)	Opex (RM'000)	Opex/Revenue (%)	Expenditure (RM'000)	Expenditure /Revenue (%)
	5,082,887	4,674,554	92	5,706,440	112

Domestic Tariff	First 20 m3 (RM)	First 30 m3 (RM)	First 35 m3 (RM)
	0.52	0.64	0.68

Industry Tariff	First 80 m3 (RM)	First 120 m3 (RM)	First 200 m3 (RM)
	1.55	1.58	1.64

Water Operators

Structure	• According to States • (13 + 1) Nos
Entity	• Corporatisation, Statutory Body, Govt. Dept. • Privatisation
Performance	• Different levels of efficiency • Common and local issues/priorities
Financial	• Ununiform tariffs • Varies financial performance

11th Malaysia Plan (2016-2020),

21st May 2015

CHAPTER 7 : STRENGTHENING INFRASTRUCTURE TO SUPPORT ECONOMIC EXPANSION

Focus Area D – Continuing the transition to a new water services industry framework, page 33

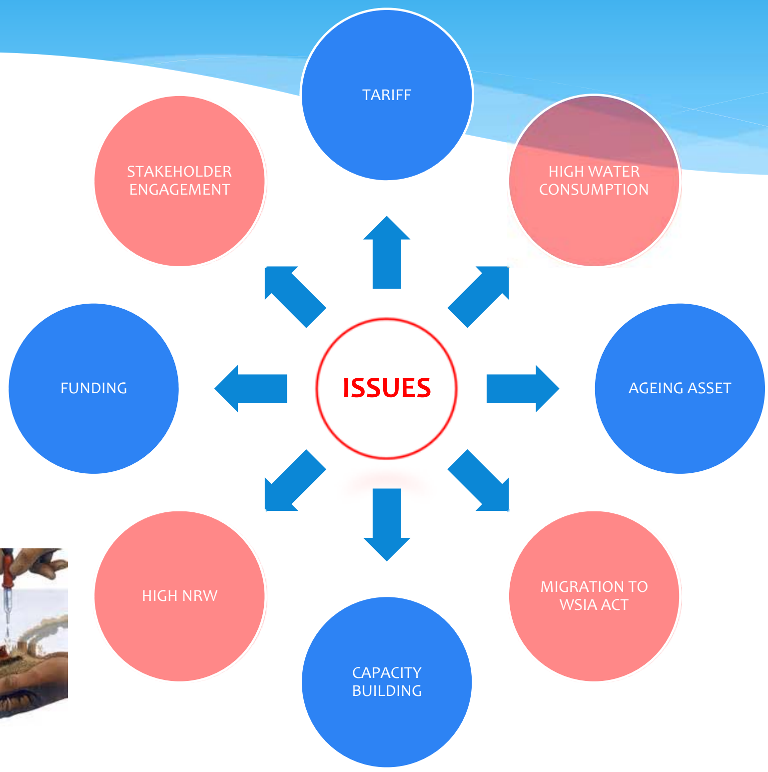
99% Access

25% NRW

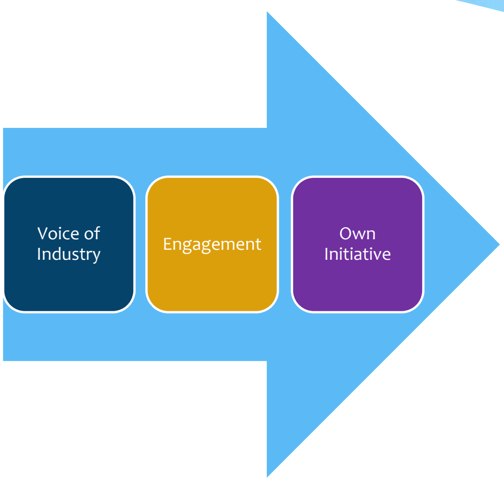
80% Sewerage

Strategy D1	• Raising the **financial sustainability** of the water services industry by strengthening the **tariff** system and implementing **joint billing** for water and sewerage;
Strategy D2	• Expanding network and treatment plant capacity through **infrastructure investment** and use of efficient technology, through new treatment plants and expanding connected water and sewerage services
Strategy D3	• Increasing efficiency and productivity of water and sewerage services through implementation of **Non Revenue Water Reduction Programme and by rationalising and upgrading sewage plants**
Strategy D4	• Strengthening the regulatory framework of the water services industry with the National Sewerage Master Plan, a water demand master plan and promotion of **waste to wealth initiatives**

ISSUES in Water Services

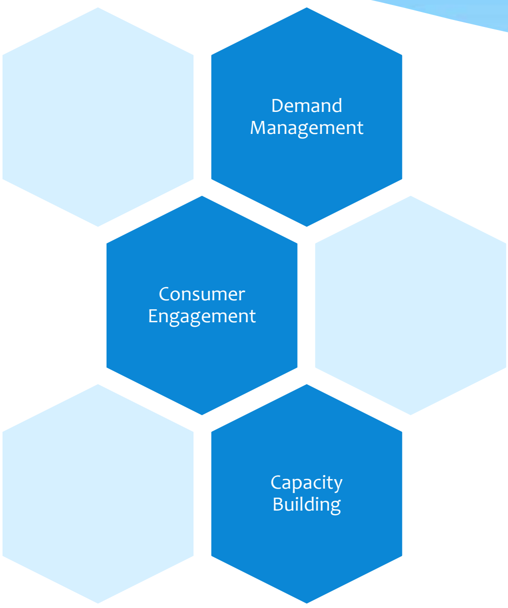


MWA's Roles



We also want to learn from other countries experience – Lets create a platform

FOCUS AREAS



Consumer Engagement

- Understand, appreciate and support
- Continuous process
- Bottom-up approach
- Share information
- Target group >>>>> Next generation

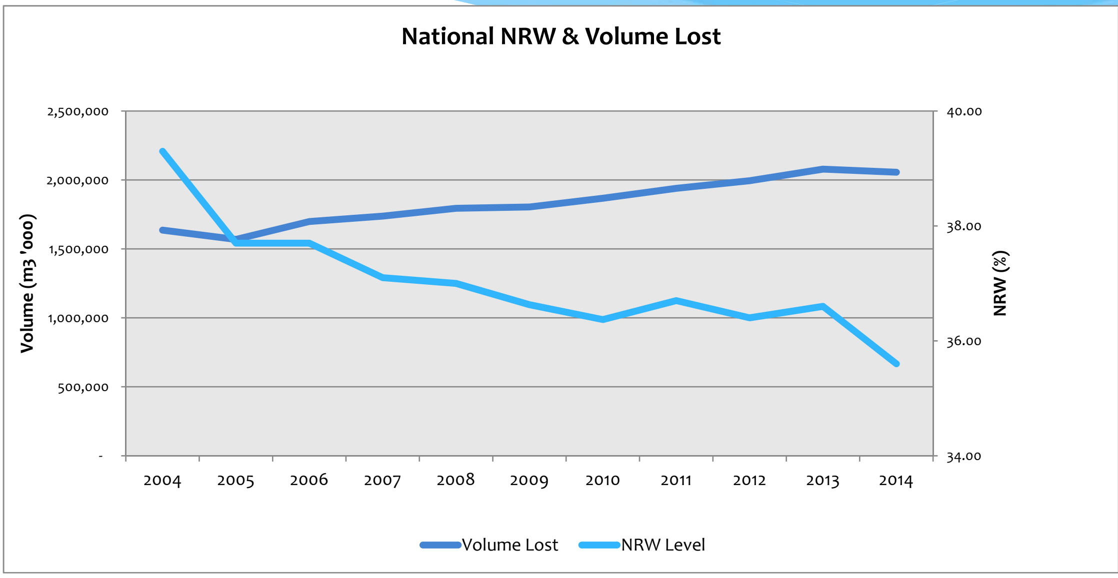
Capacity Building

- Develop competent workforce
- Develop training centres, certified modules and trainers
- Set Training as KPIs

Demand Management #NRW

- Over the last 10 years NRW reduction less than 3%
- While for the last 5 years the NRW reduction less than 1%
- However the **Absolute Volume Lost** on increasing trend

Demand Management #NRW



MWA in Brief

- Established in 1988;
- Non Profit Organisation;
- Members Categories;
  - Institutional, Consultant, Contractor, Academician, Water Operators, Government Dept/Agency
  - Individual
- Financially Independent
- Main Activities; Conference, Training etc
- Council Members/Office Bearers elected/appointed every two years
- 7 Full time staff