

Household Water Security in Dhaka, Bangladesh

including access of population to adequate levels of
drinking water and sanitation services



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**UN-Water Regional Expert Consultation on
Water Security in Asia-Pacific**

9-10 November 2015, Bangkok, Thailand

Milestones

- 1963: DWASA started its journey with the mandate to provide water supply, disposal of domestic and industrial sewerage, storm water drainage and solid waste management (EP Ordinance No. XIX, 1963). In spite of broad mandates DWASA mainly dealt with the water supply, treatment and disposal of sewerage since its inception.
- 1989: Storm Water Drainage was transferred to DWASA
- 1990: Narayanganj water supply transferred to DWASA
- 1996: DWASA was reorganized to introduce Corporate management under WASA Act 1996 under which mandates for water supply, treatment and disposal of domestic and industrial sewage and storm water drainage were entrusted with DWASA.

DWASA Responsibilities

- Provide safe and sufficient water for drinking, industrial and commercial use
- Ensure sanitation and good hygienic condition through proper disposal of domestic and industrial sewage
- Ensure efficient storm-water drainage



Target 1

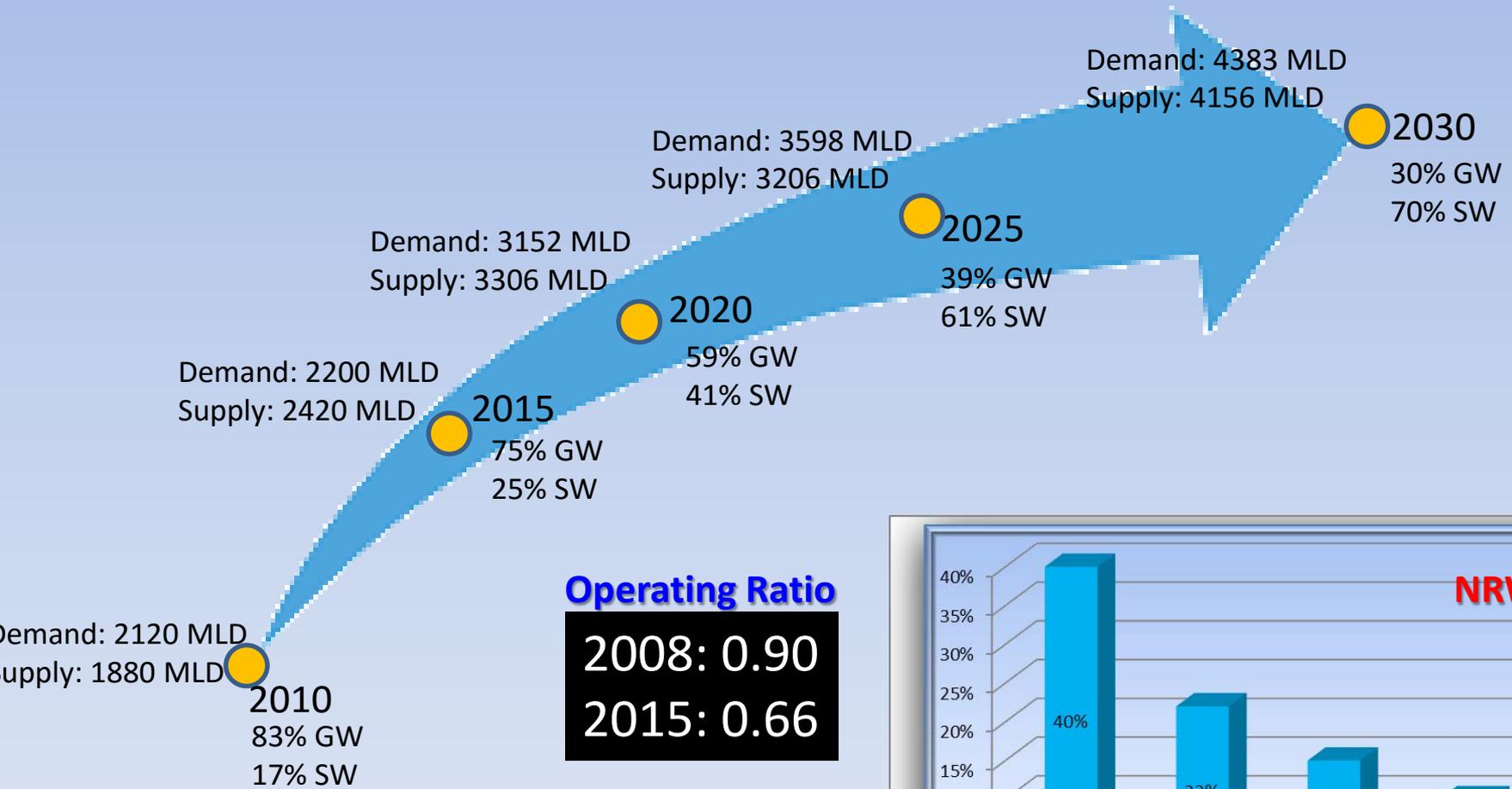
By 2030, achieve universal and equitable access to safe and affordable drinking water for all

access to safe and sufficient water are recognized as human right

Water Supply Guiding Principles for DWASA

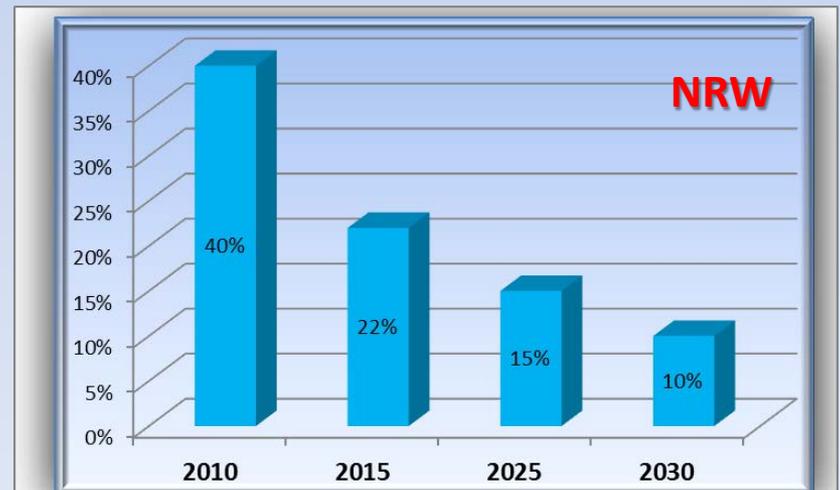
- ensure safe, sufficient, affordable and reliable water
- ensure 24 hours pressurized water supply to all including LICs by 2020
- reducing dependency on GW sources to 30% by 2020
- Establish block tariffs by 2020
- reduce non-revenue water to 10% by 2030
- plan and policies to become financially sustainable
- private sector participation
- organizational reform for good water utility governance
- recycling facilities in high-rise buildings and large structures
- cross subsidies

Strategy & Action Plan

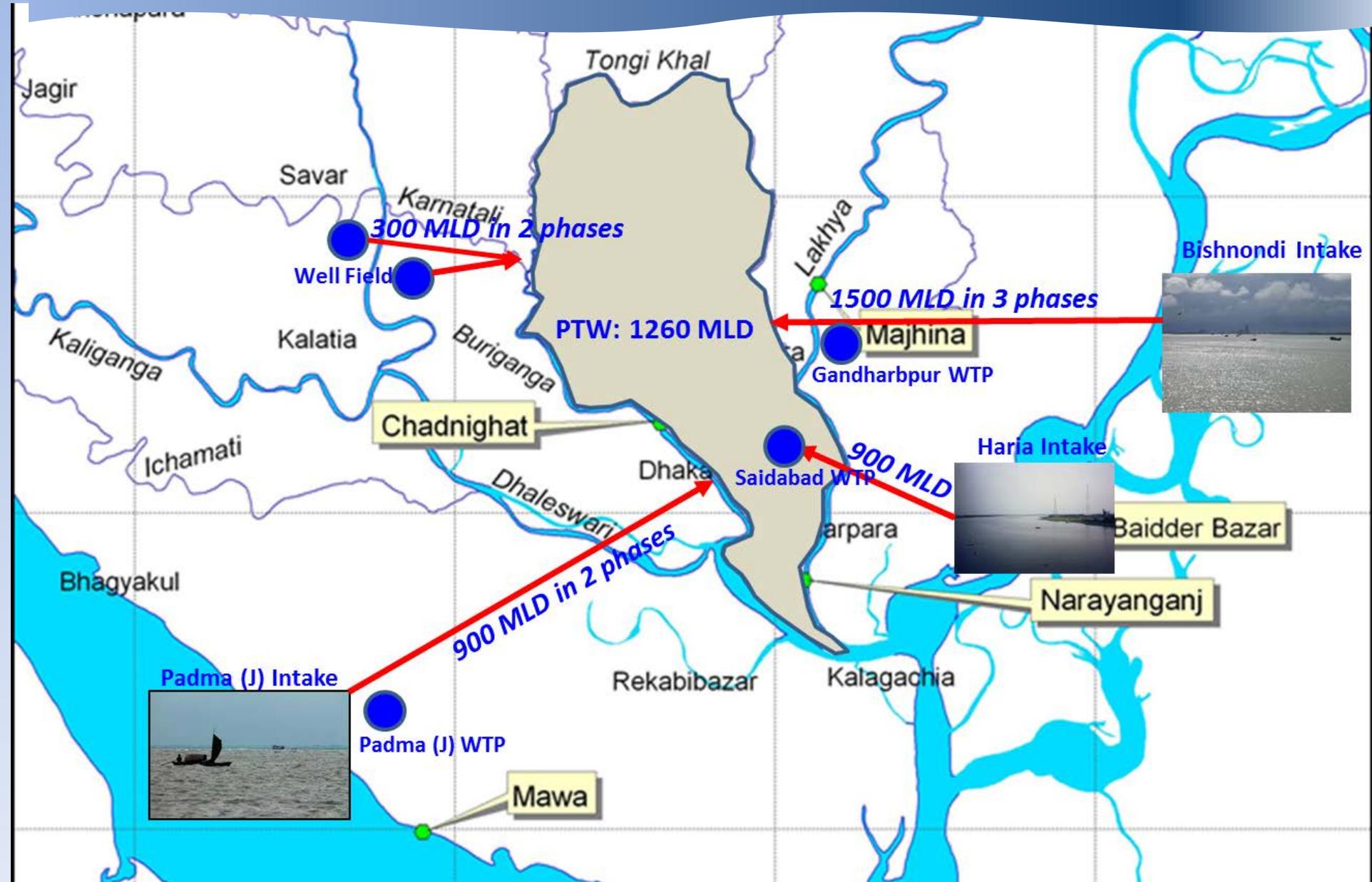


Operating Ratio

2008: 0.90
2015: 0.66



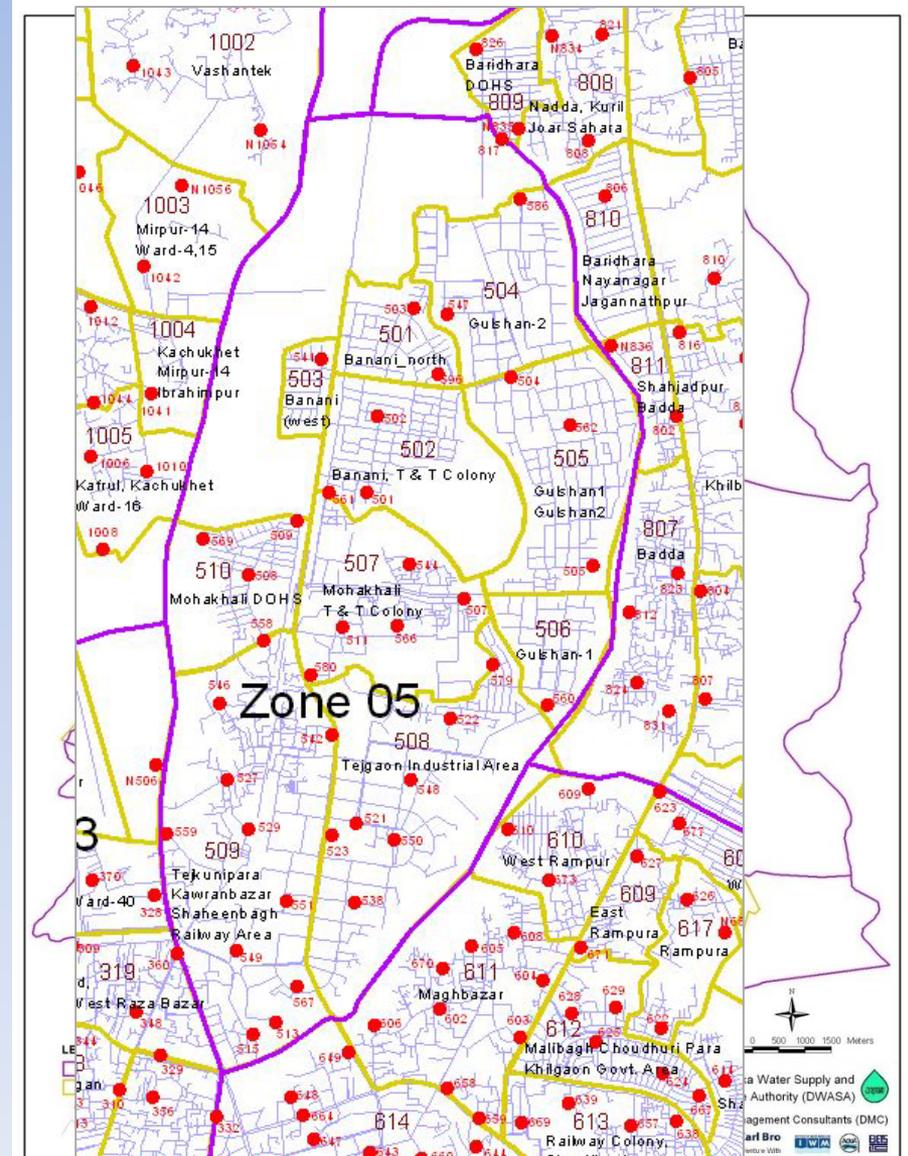
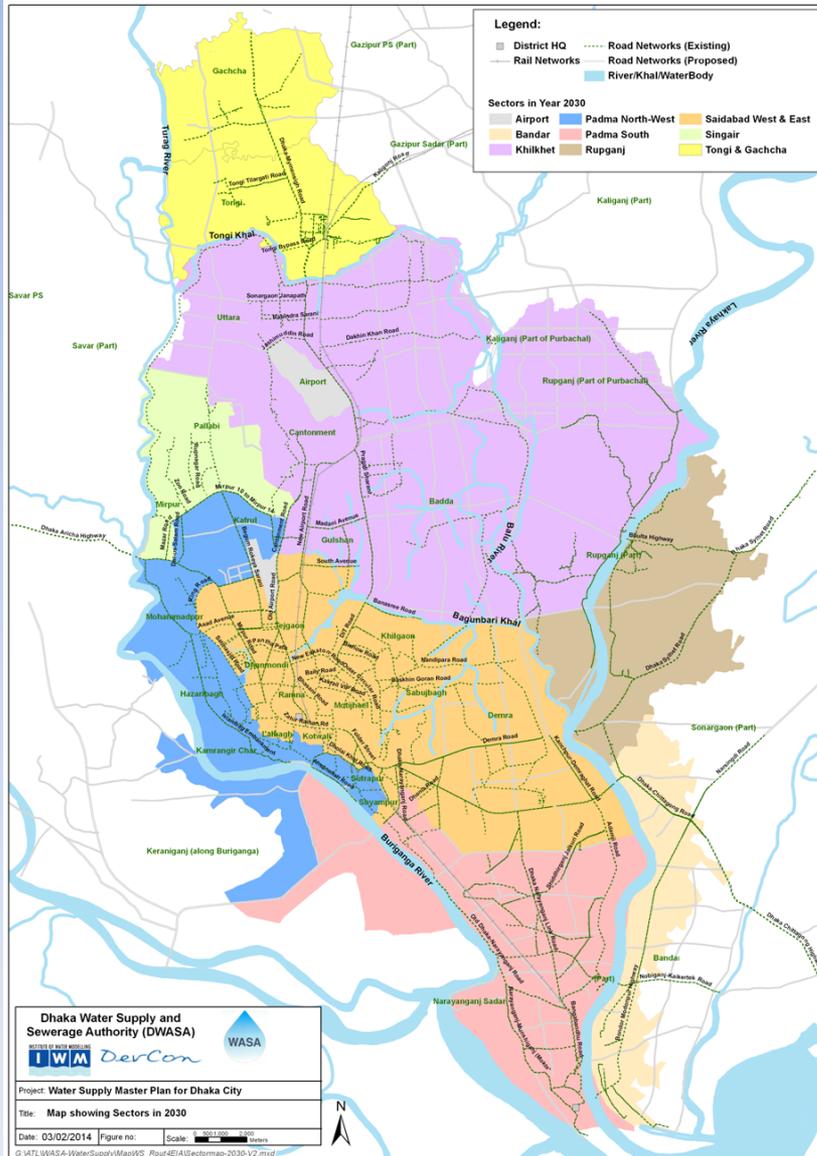
Supply Sources in 2035



Sectorization and DMA

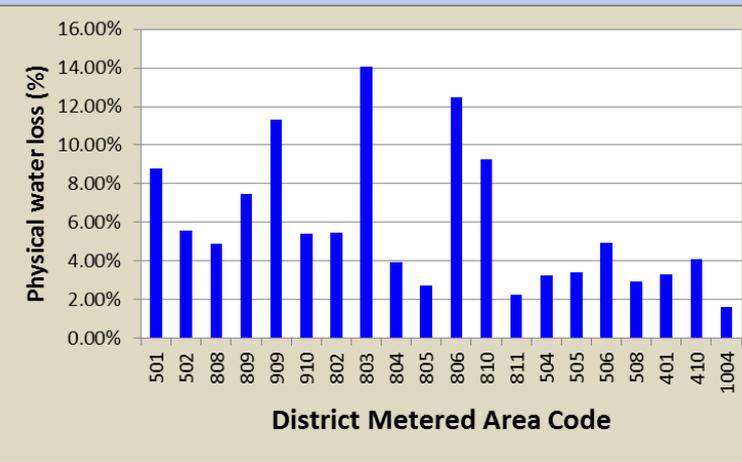
8 Sectors

124 DMAs



Benefits from DMA implementation in about 30% of city area

- achieved uninterrupted 24x7 water supply;
- about 3.31 million people have been benefitted with 24x7 water supply and improved pressure;
- illegal house connections getting regularized;
- increased revenue for DWASA;
- reduced water losses (from 1.59%- 14.06%) making more water available;
- assured good quality water (potable from tap without boiling or any further treatment);
- use of suction pumps on supply lines greatly reduced;



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https://www.yunbaogao.cn/report/index/report?reportId=5_3819

