



Towards Sustainable Water Management in Taipei - Sponge City

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Hydrological characteristics of Taipei city







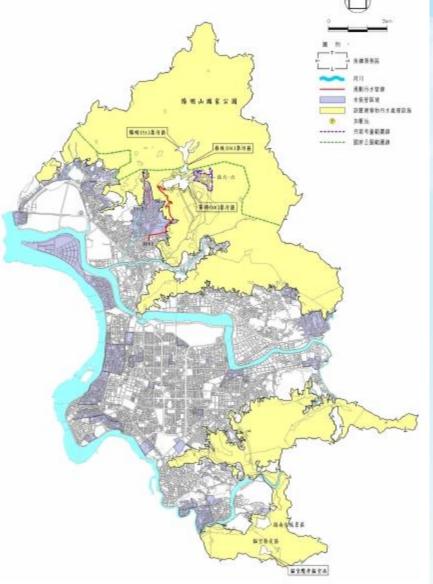
Sewerage System in Taipei



Trunk Sewer:47,762 m,Secondary Sewer:79,160 m,Branch Sewer:905,000 m,

100% completed 97.6% completed 90.6% completed

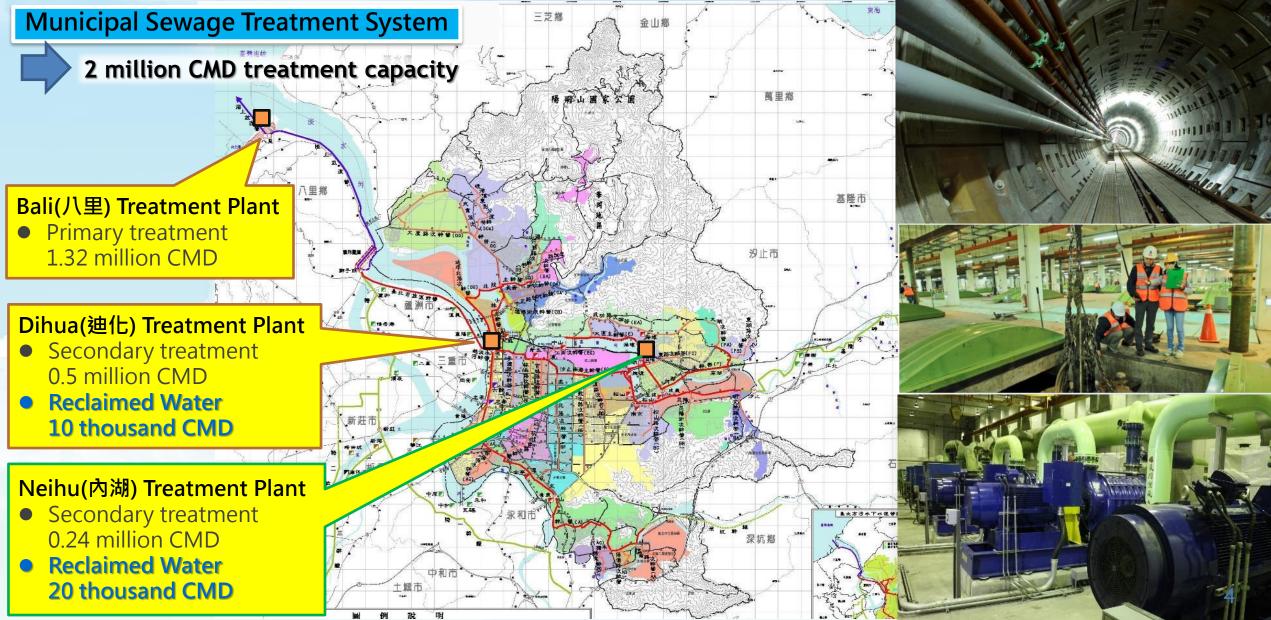
- Service area: 125 km²
- Serving population: 3.5 million
- 3 Sewage Treatment Plants
- 14 interception stations
- 76.03% household connection rate by the end of Apr., 2018.



Sewerage System in Taipei

TAIPEI





Promotion of the reclaimed water



> Reclaimed Water

- Dihua Treatment Plant:10 thousand CMD
 Neihu Treatment Plant:20 thousand CMD
 Supply of secondary water for people's livelihood and environmental water use
 - Road cleaning, cooling
 - Park Road Tree Watering, Ecological Recharging
- > Advocate large water users to use recycled water
- Environmental education and promotion of water resources





Promoting Reclaimed Water



Cooling, Watering and Landscaping

Producing and collecting

Education and Participation



Reduce, Reuse and Recycle of Energy and Resources in Municipal Sewage Treatment Plant



Sludge drying station/Heat Exchanger





Sludge before and after Dehydrated



COO² 500 tons/yr.

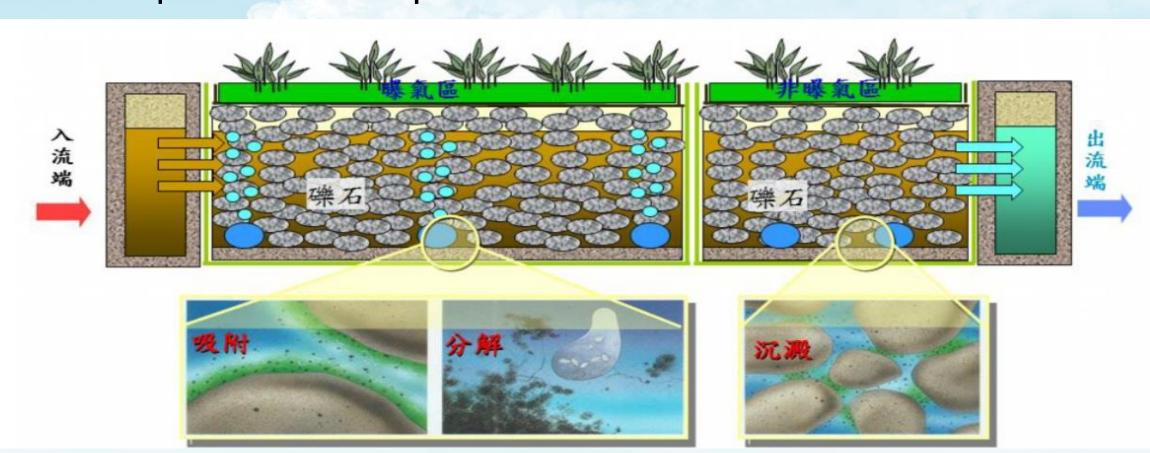
Trips of Waste to Landfill Reduced



On-site Sewage Treatment System



Sewers difficult to reach the settlements in the mountains Build settlement type small sewage treatment facilities Adsorption \rightarrow decomposition \rightarrow settlement





Future Outlook



Decentralized Sewage Treatment System

- Underground MBR treatment system is used to share 20,000 CMD of wastewater sewage system
- Activated land assets, multi-target development
- Promote the use of reclaimed water resources
- Provide residents with ecological, hydrophilic and green open space





2018 TAIPEI WATER EXPO (TWE) Resilient Sustainable Vibrant Aug. 30 - Sept 1, 2018 Taipei International Water Environment Forum-August 31, 2018

TOPICS

Smart Water Management Green Infrastructure

Circular Economy

Water Treatment

Restoring Urban Blue and Green, Urban Watershed Management Recycling Water Resources, Rainwater Capture and Reuse Systems, Reclaiming Water, Environmental Protection Wastewater Treatment, Purification Systems, Water Supply Systems, Water Quality Management

Water Conservation and Infiltration Facilities, Garden Cities, Green Roofs,

Flood Prevention, Smart Stormwater Management, Smart Water Supply Management,

Datalogging and Management, Forecasting and Simulations Technology, Open Data, IoT



www.taipeiwater2018.com



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Welcome to Taipei





Thank you for Listening!