

About Sino-Singapore Tianjin Eco-city

The Sino-Singapore Tianjin Eco-city is a bilateral collaboration project between Singapore and China to develop an economically vibrant, socially harmonious, environmentally friendly and resource-efficient city in China. It provides a platform for both countries to explore new collaborations, pilot new ideas and share best practices in the area of urbanisation. The 30 km² Eco-city aims to be a role model for sustainable development for other cities in China and the rest of the world.

2 When the project broke ground in 2008, it was a site comprising mainly salt farm, barren land and polluted water-bodies. Through the joint efforts of Singaporean and Chinese stakeholders, the Eco-city has made significant progress in the areas of environmental rehabilitation, green buildings, renewable energy, water management, and environmental protection. The progresses achieved include:

- i. rehabilitating a 2.6 km² wastewater pond;
- ii. conducting research in green development;
- iii. developing green building standards and constructing green buildings;
- iv. tapping renewable energy sources (wind, solar and geothermal energies);
- v. encouraging residents to lead environmentally-friendly lifestyles; and
- vi. promoting green transport.

Water management collaboration in the Eco-city

3 PUB has been working closely with the Eco-City Administrative Committee (ECAC) on water management in the Eco-city. The collaboration includes developing a set of Integrated Water Management Guidelines for the Eco-city, covering water conservation, water safety and quality, and sanitation and drainage.

4 In addition, PUB and ECAC established the water-related KPIs for the Eco-city. The four KPIs are:

- i. 100% of water from taps in the Eco-City to be potable;
- ii. at least 50% of the water utilised in the Eco-City to be from non-conventional water resources;
- iii. per capita daily consumption of water to not exceed 120 litres; and

- iv. water bodies in the Eco-City to meet Grade IV¹ of China’s latest national standards.

5 PUB and ECAC also signed a Memorandum of Understanding (MOU) on developing the Eco-city into a “Demonstration City for Water Resources Management”² in February 2017.

¹ Grade IV applies to water areas suitable for industrial use and entertainment which is not directly in contact with human.

²Areas of collaboration under the MOU are:

- i. an Integrated Water Management Plan to ensure a robust and sustainable water supply for the Eco-City;
- ii. knowledge exchange on Singapore’s Active, Beautiful, Clean Waters (ABC Waters) programme; and
- iii. encouraging partnerships between Singapore-based / Chinese companies and the ECAC.