

Status of Initiatives Under HDB Green Towns Programme

Cooling HDB Towns	
Greenery Intensification	HDB has been introducing more greenery in the form of urban farms, extensive greenery, or community/ allotment gardens to the top decks of selected Multi-Storey Car Parks (MSCPs) in HDB estates. This is done through the implementation of Prefabricated Extensive Green (PEG) Roof Tray System – a lightweight and modular system developed by HDB. As at end-January 2025, the top decks of 24 MSCPs have been installed with PEG trays and converted for greenery. Of these, 5 have been planted with extensive greenery, while 19 have been transformed into community/ allotment gardens, where residents can plant herbs, vegetables, or ornamental plants.
Reducing Energy Consumption	
Solar Panels	Under the SolarNova programme, HDB has been installing solar panels on HDB blocks to power common services such as lifts, lights, and water pumps in HDB estates, with green energy. As at end-January 2025, more than 4,300 blocks have been installed with solar panels. Solar panels for the remaining committed HDB blocks will progressively be installed in batches over the next two years, where feasible.
Elevator Energy Regeneration System	With the Elevator Energy Regeneration System (EERS), energy generated during lift motions and braking operations, is recovered to power other services within the lift such as lighting, ventilation, and the lift display panel. With the EERS, lift energy consumption can be reduced by an average of 20%. As at end-January 2025, more than 500 lifts have been retrofitted with the EERS. HDB is in the process of awarding two more tenders, which will bring the total number of lifts retrofitted with the EERS to 7,400.

Smart LED Lighting	To reduce energy consumption in common areas of HDB estates, HDB is working with Town Councils to implement smart LED lighting. Smart lighting is equipped with analytics capabilities, as well as smart sensors that can automatically adjust the luminosity of LED lights when motion is detected. Compared to conventional LED lighting, smart LED lighting can further reduce energy used for lighting by up to 60%. Since late 2024, Town Councils have begun replacing approximately 300,000 existing LED lights that have reached the end of their lifespan with smart LED lighting.
<u>Promoting Green Commute</u>	
Dual Bicycle Racks	As at end-January 2025, more than 26,500 Dual Bicycle Racks have been installed across 23 HDB towns. By end of 2025, about 30,000 Dual Bicycle Racks will be installed islandwide.
Electrical Vehicle (EV) Chargers	As at end-January 2025, more than 3,600 Electric Vehicle (EV) chargers have been installed at 850 HDB carparks. We are on track to bring the number of HDB carparks with EV chargers to approximately 2,000 by end 2025.
<u>Optimising Resources</u>	
UrbanWater Harvesting System	The UrbanWater Harvesting System (UWHS) is designed to maximise the volume of rainwater collected by harvesting stormwater surface runoff from the ground into an underground detention tank. In 2024, HDB commenced installation of the UrbanWater Harvesting System in Jurong and Yishun, as part of a pilot announced in 2022. Approximately 12 UWHS will be installed in those two towns. As at end-January 2025: • In Jurong, one system has been installed, while the remaining three systems will be installed by 4Q2025. • In Yishun, works to install the first system will commence in 3Q2025.
E-waste Recycling Bins	In 2023, we worked with the National Environment Agency (NEA) to deploy e-waste recycling bins at Hong Kah North, Punggol Clover,

	and Fengshan Mulberry. Proper disposal of e-waste helps to prevent toxic hazards from polluting environment and protect human health.
[NEW] Smart Electric Sub-Meters	From 2Q2025, smart electrical sub-meters will be installed in the consumer switch rooms of HDB blocks. These sub-meters will enable HDB and Town Councils to monitor and analyse energy consumption patterns and the performance of common services i.e. lightings, water pumps, and lifts, at each block. With this data, Town Councils can compare energy usage across HDB blocks and track the demand and supply of energy usage for individual blocks in the estate. The data collected will also help the Town Councils to optimise their maintenance cycles of common services, as well as detect anomalies such as equipment faults to minimise downtime.
[NEW] Green Complexes	To reduce the carbon footprint of our buildings, HDB will be upgrading and designing our 38 HDB-owned complexes by 2030. The complexes will have: • Solar panels installed on the rooftop to reduce energy usage by 10% • Water-efficient fittings to reduce water usage by 10% • Machines to turn food waste to compost, reducing waste by 30% In 2025, HDB also aims to attain BCA Green Mark Super Low Energy (SLE) Certification for four HDB complexes. Thereafter, HDB targets to progressively roll out green initiatives at an average of eight complexes a year.
[NEW] Beverage Container Return Points	NEA's Beverage Container Return Scheme aims to manage packaging waste in Singapore and increase the recycling rate of beverage containers. Together with the licensed scheme operator, Beverage Container Return Scheme Ltd. (BCRS Ltd.), a network of more than 1,000 return points (such as Reverse Vending Machines) will be deployed islandwide, including at HDB-owned and Town Council spaces. The scheme will commence on 1 April 2026.