

ANNEX: Summary of the HDB Greenprint @ Teck Ghee Initiatives

| HDB Greenprint @ Teck Ghee Initiatives | |
|---|---|
| Green Commuting | <p>Enhanced Cycling & Pedestrian Network</p> <p>Encourages cycling and walking</p> |
| | <p>Secured Bicycle Parking Facilities</p> <p>Dual bicycle racks will be installed.</p> <p>Residents can vote on where they want the racks to be located at the exhibition</p> |
| Waste Management | <p>Pneumatic Waste Conveyance System (PWCS) with Sensor Technology</p> <p>Retrofit existing 40 blocks with the PWCS, an automated waste collection system, which uses a vacuum type underground pipe network to collect household waste for disposal. Sensors incorporated into the PWCS will trigger automatic waste collection and collect data on residents' waste disposal habits for analysis.</p> |
| Energy conservation | <p>Energy Efficient (LED) Lighting</p> <p>Indoor LED lighting and outdoor LED street lighting with sensor technology, will be installed at the common areas of 26 blocks and nine surface carparks respectively.</p> <p>This aims to reduce about 50 per cent of the energy consumed by indoor and outdoor lighting.</p> <p>The sensor technology helps optimise lighting levels in common areas, based on human traffic patterns.</p> |
| | <p>Solar Photovoltaic System with Centralised Remote Monitoring System (CRMS)</p> <p>Solar Panels will be installed on the rooftops of 31 blocks to convert natural sunlight into solar power. The harnessed energy</p> |

| | |
|-----------------------------------|--|
| | <p>can then be used to power common services.</p> <p>Works towards net-zero energy for common services</p> <hr/> <p>Elevator Energy Regeneration System (EERS)</p> <p>Aims to reduce about 20 per cent of the energy consumed by the lifts. The harnessed energy can then be used to provide power for common services.</p> <hr/> <p>Green Homes Exhibition (coming in 2016)</p> <p>Encourages residents to use resource-efficient home appliances by offering an opportunity for them to purchase such appliances at discounted rates.</p> <p>Energy saving tips will be exhibited during the launch along with the “like” button for residents to indicate the types of energy-saving appliances they would like to be offered during the upcoming Green Homes Exhibition in 2016.</p> |
| <p>Landscaping & Greenery</p> | <p>Skyrise & Vertical Greenery</p> <p>Skyrise Greenery (roof top greenery) on some low-rise blocks will be provided to reduce ambient temperature by two to four degrees Celsius.</p> <p>Vertical Greenery will be introduced at one block to reduce the surface temperature of the façade of the block by up to 30 per cent.</p> |
| <p>Community Engagement</p> | <p>Community-level Programmes</p> <p>To build green communities and educate, engage and enable residents on green living.</p> |
| <p>Fund</p> | <p>HDB’s Greenprint Fund (to be launched in 2016)</p> <p>To co-create, support and finance, the developmental and test-bedding costs of innovative, original, smart, and green living solutions with the public.</p> |