

Annex A - Timeline of initiatives to be implemented in Punggol

	2020-2021	2023 and beyond
Punggol	<p>Completion of the first smart HDB home with smart sockets and smart distribution boards built in that enable better monitoring of energy consumption</p> <p>Progressive deployment of smart lighting and smart pneumatic waste conveyance system in Punggol Northshore to provide a smart and sustainable living environment</p>	<p>New roads in PDD and Punggol North together with a cycling network that will be progressively implemented</p> <p>Biodigesters to recycle 3 tonnes of food and horticultural waste per day</p> <p>Smart grid solutions to reduce 1,500 tonnes of carbon emissions annually</p> <p>Businesses can use district-level data to create digital applications</p> <p>Specialist Community Club that will be a one-stop social space that harnesses smart technology to meet the needs and aspirations of the community living and working in the area, with a focus on programmes for youth and working professionals</p> <p>Pilot deployment of autonomous buses</p> <p>Hawker centre with a smart facilities management system</p> <p>Punggol Regional Sport Centre with virtual coaching, augmented reality gamification, digital payment, and smart facilities management that supports seamless online facilities booking</p> <p>Smart water meters to track daily water consumption</p> <p>Pneumatic waste conveyance system for business park</p>