

Carbon Neutrality Partnership

Aspects of Decarbonisation	How Your Organisation Could Help (Examples for Reference)	Your Organisation's Target / Plan / Action (<i>for Input</i>)
Overall: Decarbonisation Target		
Setting a target for total carbon emissions	<ul style="list-style-type: none"> - set a carbon neutrality target with a timeline - set carbon emissions reduction target with a timeline 	<ul style="list-style-type: none"> • Commit to reduce 13% of carbon emissions by 2029/30 with 2012/13 as the baseline year under BEC's Low Carbon Charter
Green Economy		
Green procurement	<ul style="list-style-type: none"> - set green procurement policy and standards - procure energy efficient appliances (such as those with Grade 1 energy labels under the Mandatory Energy Efficiency Labelling Scheme) 	<ul style="list-style-type: none"> • Green procurement guidelines are in place for general purchases of goods and services • For new development projects: <ul style="list-style-type: none"> ○ to explore and develop a reference list of certified green building materials for use in new projects by 2023 ○ to set tender requirements to adopt certified green building material by 2024 ○ immediate adoption of environmental friendly products (e.g. FSC certified timber, recycled timber, products/materials with green certification)

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		<ul style="list-style-type: none"> ○ immediate adoption of energy efficient appliances (with Grade 1 energy labels under the MEEL Scheme) if applicable
Green finance	- utilise green financing instrument to raise fund	n/a
Net-Zero Electricity Generation		
Developing renewable energy	<ul style="list-style-type: none"> - set a renewable energy adoption target with a timeline - install renewable energy generating equipment (e.g. solar panel, solar hot water system) where possible - participate in the Feed-in Tariff Scheme - purchase Renewable Energy Certificates 	<ul style="list-style-type: none"> ● Install photovoltaic systems at selected rental estates for pilot testing ● For new development projects, to install photovoltaic systems to join the FiT Scheme subject to evaluation of site suitability (on-going in selected projects)
Energy Saving and Green Buildings		
Energy saving targets	- set electricity usage reduction target with a timeline	<ul style="list-style-type: none"> ● Commit to reduce 15% of energy consumption by 2029/30 with 2012/13 as the baseline year under BEC's Low Carbon Charter

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		<ul style="list-style-type: none"> • For new development projects, to design and equip most energy efficient systems to fulfil or excel from the prevalent BEC requirements (on-going)
Enhancing energy efficiency performance of buildings	<ul style="list-style-type: none"> - target for green building certification (e.g. BEAM Plus) at Platinum level - conduct green building certification for all new buildings - select existing buildings for green building certification - achieve energy efficiency performance above the statutory requirements - procure energy efficient equipment and switch them off when not in use - adopt smart building technologies to reduce electricity consumption and enhance energy efficiency (e.g. smart technology to enhance energy efficiency in air- 	<ul style="list-style-type: none"> • Conduct pilot Life Cycle Assessment on selected projects to gauge the performance of green building materials and sustainable products (study to commence in 2023) • Submit all new housing development projects to BEAM Plus certification aiming at Gold rating and above (immediate) • Select existing buildings for BEAM Plus certification • Replace water pumps with higher efficiency motors and lifts/escalators with new models using the Variable Voltage Variable Frequency drive system at rental estates to maximize energy efficiency • Adopt computer-based Building Management System to monitor and facilitate energy management and audit for development projects

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Greater use of energy management tools	<ul style="list-style-type: none"> - conduct energy audit and implement identified energy management opportunities - conduct retro-commissioning 	<ul style="list-style-type: none"> • Engage Registered Energy Assessor (REA) for office renovation works to ensure the compliance of relevant regulations
Construction / Work sites	<ul style="list-style-type: none"> - adopt Modular Integrated Construction (MiC) as appropriate - recycle construction wastes - electrify diesel-run equipment in construction sites or other works areas adopt low carbon construction (e.g. prefabricated construction methods, low carbon construction materials) 	<ul style="list-style-type: none"> • Adopt Volumetric Precast Kitchen/Bathroom (VPK/VPB) and MiC in suitable development projects (on-going) • Implement full electrification for site construction works and deploy battery energy storage system (BESS) to replace diesel generator as far as possible for development projects (for new contracts commencing works in mid-2022) • Ensure contractors comply with environmental laws & regulations through Environment Management Plan • Conduct environmental mitigation measures to minimize emissions, noise, waste water discharge from construction activities
Development of district cooling system	<ul style="list-style-type: none"> - adopt high efficiency chillers 	<ul style="list-style-type: none"> • Replacement of chillers with oil-free centrifugal chillers of higher energy efficiency at Kai Tak Garden Shopping Arcade • For new development projects in locations with District Cooling System (DCS), to adopt energy efficient central AC system (on-going)

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Green Transport		
Zero carbon emissions from transport	<ul style="list-style-type: none"> - equip parking spaces with electric vehicle charging provision, preferably with a target and a timeline 	<ul style="list-style-type: none"> • Provision of electric vehicle (EV) charging facilities at existing carparks. Over 287 parking spaces with EV charging facilities are available in 33 existing carparks • For new development projects, to provide EV charging facilities to 100% of covered parking spaces (on-going)
Phasing out of fuel-propelled and hybrid vehicles progressively	<ul style="list-style-type: none"> - electrify the corporate fleet, preferably with a target and a timeline - adopt low carbon logistics planning and delivery with technology to reduce carbon footprint 	<ul style="list-style-type: none"> • Introduce EV to the corporate fleet in 2022/23
Maintaining a public transport system with railway as the backbone	<ul style="list-style-type: none"> - encourage employees to use public transport 	<ul style="list-style-type: none"> • Explore the park-and ride scheme with MTRC to encourage the use of public transport
Waste Reduction		

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Promoting waste reduction and recycling	<ul style="list-style-type: none"> - support the implementation of municipal solid waste charging (e.g. not to allow bulk-purchasing “designated garbage bags” and distributing them to tenants) - promote waste separation and recycling in commercial premises and residential estates with the set-up of centralised “recycling corners” - promote food waste recycling and participate in food waste collection programme 	<ul style="list-style-type: none"> • Provision of centralized waste sorting facilities and recycling bins at major corporate offices and rental estates • Awareness raising and recycling campaigns at rental estates and managed properties <p>For new development projects, to provide enlarged refuse storage spaces and smart bins to facilitate separation of solid domestic waste and recycling materials (partial implementation since early 2022)</p>
Controlling the use of single-use plastics	<ul style="list-style-type: none"> - set a plan for minimising the use of single-use plastics, preferably with a target and a timeline - reduce the use of single-use plastic packaging - request on-site caterers and food business tenants to use 	<ul style="list-style-type: none"> • Environmental Instructions on office practices, including green pantry, are in place to minimize the risks of environmental impacts

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	<p>reusable and durable cutleries and food containers for eat-in customers, and avoid distributing disposable plastic tableware for takeaways</p> <ul style="list-style-type: none"> - install filtered water dispensers to reduce the use of plastic water bottles - offer single-use toiletries on request only - avoid the use of disposable plastic umbrella bags and install umbrella drying facilities 	