

### Carbon Neutrality Partnership

Aspects of Decarbonisation	How Your Organisation Could Help (Examples for Reference)	Your Organisation’s Target / Plan / Action ( <i>for Input</i> )
<b>Overall: Decarbonisation Target</b>		
Setting a target for total carbon emissions	<ul style="list-style-type: none"> <li>- set a carbon neutrality target with a timeline</li>   <li>- set carbon emissions reduction target with a timeline</li> </ul>	<p>-The Vocational Training Council (VTC), as the largest Vocational and Professional Education and Training (VPET) provider in Hong Kong, is committed to environmental protection and sustainable development. In response to the Climate Action Plan 2030, VTC appointed a consultant in 2019 to conduct a study to determine the baseline carbon emission and develop measures, target and roadmap.</p> <p>-An overall reduction target was then set for VTC where carbon emission in academic year 2029/30 would be reduced by 10% as compared with baseline academic year 2018/19.</p> <p>-For reduction of carbon emissions, VTC also set a target for academic year 2022/23 (as compared with the baseline academic year 2018/19) with reduction of consumption of water by 3 – 5%, electricity by 5%, and paper by 30%, and 20% recycled paper usage over annual paper consumption.</p> <p>-In response to the latest Climate Action Plan 2050, VTC is now reviewing</p>

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		the decarbonisation targets and measures and plans to engage a consultant to conduct a further study later this year to set our carbon neutrality target and develop our updated action plan accordingly. We will send our updated target and action plan to ENB when available.
<b>Green Economy</b>		
Green procurement	<ul style="list-style-type: none"> <li>- set green procurement policy and standards</li> <li>- procure energy efficient appliances (such as those with Grade 1 energy labels under the Mandatory Energy Efficiency Labelling Scheme)</li> <li>-procure recycled paper and virgin paper</li> <li>-review the green requirement in catering service tenders</li> </ul>	<ul style="list-style-type: none"> <li>-VTC has already set green procurement policy and standards. VTC Supplies Circular already issued to all staff members dealing with procurement matters.</li> <li>-Only appliances with Grade 1 or Grade 2 energy labels will be considered in our procurement of electrical appliances.</li> <li>-To purchase recycled paper as far as possible in operation and purchase virgin paper from sustainable forest starting from academic year 2022/23.</li> <li>-To review and enhance green requirement in the catering service tenders (e.g. minimizing/banning the use of single-use non-biodegradable cutleries / food containers) by the end of 2022.</li> </ul>

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Green finance	- utilise green financing instrument to raise fund	Not Applicable
<b>Net-Zero Electricity Generation</b>		
Developing renewable energy	<p>- set a renewable energy adoption target with a timeline</p> <p>-install RE generating devices (e.g. solar panel, solar hot water system) where possible</p>	<p>-VTC conducted a preliminary consultancy study in 2019 on installation of solar panels at our premises and already installed solar panels at one of the sites as pilot run. We plan to conduct an updated study having regard to the Climate Action Plan 2050 to explore further the deployment of more RE devices in VTC and plan to install more such devices at our premises subject to funding availability from the Government.</p> <p>-VTC plans to set up Smart &amp; Green Corner at VTC campuses and display the amount of electricity produced by RE generating devices via dashboard to promote green and sustainable development to our staff/students/visitors.</p>
<b>Energy Saving and Green Buildings</b>		
Energy saving targets	- set electricity usage reduction target with a timeline	-VTC has set the electricity usage target i.e. reduction of 10% by academic year 2029/30 as compared with academic year 2018/19. The consultancy study to be undertaken later this year will also explore whether this target needs updating.
Enhancing energy efficiency performance of	- target for green building certification (e.g. BEAM Plus) at Gold level or above for all	-For new building projects, VTC as a policy will aim to obtain the second highest grade or above under the BEAM Plus as promulgated by the Hong Kong Green Building Council (HKGBC) as far as practicable.

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buildings	<p>new buildings</p> <ul style="list-style-type: none"> <li>- select existing buildings for green building certification</li> <li>- adopt smart building technologies to reduce electricity consumption and enhance energy efficiency (e.g. smart technology to enhance energy efficiency in air-conditioning system)</li> </ul>	<ul style="list-style-type: none"> <li>-VTC will review and select existing buildings for green certification subject to the availability of Government funding in case major renovation works and/or heavy capital investment are involved.</li> <li>-VTC will explore the application of smart technologies to enhance energy saving and energy efficiency of VTC premises such as installing smart meters at all VTC sites.</li> </ul>
Greater use of energy management tools	<ul style="list-style-type: none"> <li>- conduct energy audit and implement identified energy management opportunities</li> <li>- conduct retro-commissioning on VTC premises</li> </ul>	<ul style="list-style-type: none"> <li>-VTC has conducted energy audit and implemented energy management opportunities in some premises and plan to conduct regular energy audit in all VTC sites in future with student participations as practical training.</li> <li>-VTC plans to prioritise retro-commissioning studies and implement improvement works in existing buildings subject to availability of Government funding.</li> </ul>
Construction / Work sites	<ul style="list-style-type: none"> <li>- adopt Modular Integrated Construction (MiC) as appropriate</li> </ul>	<ul style="list-style-type: none"> <li>-For new capital works projects, VTC will reduce the generation of construction waste where possible (e.g. adopting modular design and off-site fabrication) at the planning and design stages.</li> </ul>

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	<ul style="list-style-type: none"> <li>- recycle construction wastes</li> <li>- adopt low carbon construction (e.g. prefabricated construction methods, low carbon construction materials)</li> </ul>	<ul style="list-style-type: none"> <li>-To require our contractors to reuse inert construction waste generated during construction (e.g. use of excavated materials for filling within the site) on site or in other suitable construction sites as far as possible, and</li> <li>-To encourage contractors to maximise the use of recycled or recyclable inert construction waste, and the use of non-timber formwork to further reduce the generation of construction waste.</li> </ul>
Development of district cooling system	<ul style="list-style-type: none"> <li>- adopt high efficiency chillers</li> </ul>	<ul style="list-style-type: none"> <li>-VTC plans to adopt district cooling system as far as practicable if such is available within the area in which our premises are located.</li> </ul>
<b>Green Transport</b>		
Zero carbon emissions from transport	<ul style="list-style-type: none"> <li>- equip parking spaces with electric vehicle charging provision, preferably with a target and a timeline</li> </ul>	<ul style="list-style-type: none"> <li>- VTC will install 30% EV charging stations out of the total number of parking spaces in our new buildings.</li> <li>-VTC plans to install at least 1 EV charging station at each of our parking lot by financial year 2025/26 and a total of 30% EV charging stations out of the total number of parking spaces in the existing buildings by financial year 2030/31.</li> </ul>
Phasing out of fuel-propelled and hybrid vehicles	<ul style="list-style-type: none"> <li>- Replacement of fuel-propelled vehicles with electric vehicles</li> </ul>	<ul style="list-style-type: none"> <li>-VTC will explore the cost effectiveness of phasing out its existing fleet of fuel-propelled and hybrid vehicles and propose phasing in electric vehicles gradually over a period of 10 years starting from academic year 2022/23 up till academic year 2031/32.</li> </ul>

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progressively		
Promotion of use of public transport	- encourage employees to use public transport	-VTC will set up Smart & Green Corner at VTC campuses to promote and encourage staff and students to use more public transport, particularly railway.
<b>Waste Reduction</b>		
Promoting waste reduction and recycling	<p>- support the implementation of municipal solid waste charging (e.g. not to allow bulk-purchasing “designated garbage bags” and distributing them to tenants)</p> <p>- promote waste separation and recycling in commercial premises and residential estates with the set-up of centralised</p>	<p>-VTC supports the implementation of municipal solid waste charging. An application for Municipal Solid Waste Charging Trial Project to run at selected VTC sites has been submitted in February 2022 which is still pending for approval.</p> <p>-VTC will set the solid waste reduction target based on the recommendation of consultancy study to be undertaken later this year.</p> <p>-VTC plans to collect 50% of recyclables out of the solid waste stream by 2030.</p> <p>-Smart &amp; Green Corner at VTC campuses would also promote waste separation and recycling. Recycling facilities will be installed by applying for Source Separation of Waste Programme to increase number of recycling bins (recycled paper, aluminium can, plastic bottle) at VTC sites.</p>

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	<p>“recycling corners”</p> <ul style="list-style-type: none"> <li>- promote food waste recycling and participate in food waste collection programme</li> </ul>	<ul style="list-style-type: none"> <li>-To encourage caterers to do pre-consumed food waste separation during food preparation process; and to encourage staff/students to do post-consumed food waste separation.</li> <li>-VTC plans to collect 50% of food waste for transportation to Government's O-Parks for treatment by 2030.</li> </ul>
<p>Controlling the use of single-use plastics</p>	<ul style="list-style-type: none"> <li>- set a plan for minimising the use of single-use plastics, preferably with a target and a timeline</li> <li>- request on-site caterers and food business tenants to use reusable and durable cutleries and food containers for eat-in customers, and avoid distributing disposable plastic tableware for takeaways</li> </ul>	<ul style="list-style-type: none"> <li>-VTC has set the target of reducing single-use plastic utensils by 70%, and replaces them with biodegradable utensils from academic year 2018/19 to academic year 2029/30.</li> <li>-To encourage current caterers not to provide single-use plastic utensils before end of their current contract period.</li> <li>-VTC plans to prohibit single-use plastic utensils and straws in new contract terms with caterers; and require them to offer staff/students only paper food containers / biodegradable utensils on need basis.</li> </ul>

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	- install filtered water dispensers to reduce the use of plastic water bottles	-VTC has installed filtered water dispensers at VTC premises, and has been promoting reduction on use of plastic water bottles.