

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 	<p>Airport Authority Hong Kong (AA) and its key aviation-related business partners commit to achieve Net Zero Carbon by 2050, with a midpoint target of 55% absolute emissions reduction by 2035 from a 2018 baseline.</p> <p>For details, please refer to p.52 of our Sustainability Report 2020/21 and Press Release.</p>
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) 	<p>AA has set our Green Procurement Policy in 2016.</p> <p>AA continuously makes reference to the Government's green procurement list to procure the listed products / services as practicably as possible.</p>

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Green finance	<ul style="list-style-type: none"> - utilise green financing instrument to raise fund 	<p>AA has published a Sustainable Finance Framework (SFF) in early Jan 2022 which sets out how AA intends to enter into Sustainable Finance Transactions (SFTs) to fund expenditure on projects that will deliver environmental and / or social benefits, and for further development of sustainable urban infrastructure in support of the United Nations Sustainable Development Goals.</p> <p>AA has also issued the 5-year US\$1bn debut green tranche as part of the US\$4bn offering in early Jan 2022 to demonstrate AA's commitment to making Hong Kong International Airport (HKIA) one of the world's greenest airports, and support to HKSAR Government's policy to promote the development of sustainable finance and to develop Hong Kong as an international sustainable finance hub. More details can be found in the Press Release.</p>
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 	AA targets to reach one million kWh of electricity generated by onsite RE installations by 2024.

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	Certificates	
Energy Saving and Green Buildings		
Energy saving targets	<ul style="list-style-type: none"> - set electricity usage reduction target with a timeline 	<p>AA has set a 2050 Net Zero Carbon target, with a midpoint target of 55% absolute emissions reduction by 2035 from a 2018 baseline. Energy performance improvement will be one of the key reduction measures.</p> <p>More details on the target supporting strategies can be found on p.52 of our Sustainability Report 2020/21.</p>
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 	<p><u>New buildings:</u> AA aims to pursue BEAM Plus “Gold” or above for all new major AA buildings as far as practicable. Terminal 2 Expansion and T2 Concourse have already achieved Provisional Platinum rating. Sky Bridge and HKIA Tower 2 projects have also achieved Provisional Gold rating. More details can be found on p.53-54 of our Sustainability Report 2020/21.</p> <p>Building on the foundation of the green airport design strategy adopted in our Three-runway System project, we rolled out an airport-wide Green Airport Design and Construction (GADC) Strategy in July 2021 to provide a consistent approach for embedding green design and sustainable construction considerations in both AA’s projects and those implemented by our franchises and other business partners at HKIA and these cover new building projects in addition to our non-building infrastructure projects. Please refer</p>

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	<p>- adopt smart building technologies to reduce electricity consumption and enhance energy efficiency (e.g. smart technology to enhance energy efficiency in air-conditioning system)</p>	<p>to page 55 of our Sustainability Report 2020/21 and Press Release for more details.</p> <p><u>Existing buildings:</u> AA continues its efforts in implementing energy efficient projects in HKIA. Weather Forecast for Air-conditioning Control System (Weather FACTS) and Battery Energy Storage System (BESS) are two examples. For details, please refer to p.50 of our Sustainability Report 2020/21.</p>
<p>Greater use of energy management tools</p>	<p>- conduct energy audit and implement identified energy management opportunities - conduct retro-commissioning</p>	<p><u>Energy and carbon audits:</u></p> <ul style="list-style-type: none"> • AA conducts annual energy audits for terminal buildings to fulfil ISO50001 requirements. • AA's carbon footprint is verified annually by an independent third party verifier. • AA is accredited under the Airports Council International Airport Carbon Accreditation Scheme and currently achieves Level 3. • AA conducts annual carbon audits for AA and AA's business partners participating in the HKIA carbon pledge, excluding those opting for independent footprint verification. <p><u>Retro-commissioning:</u></p> <ul style="list-style-type: none"> • AA is now implementing cloud-based big data Building Analytics (BA) Systems in T1, T1M & T1S to perform live retro-commissioning to identify energy saving opportunities and optimize equipment operations.

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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) 	Contractors of major works contracts are required to submit a Sustainable Construction Management (SCM) Plan at the commencement of the works and these are required to include measures planned to achieve energy conservation and greenhouse gas emissions reduction, including, for example, use of prefabricated building elements; use of modular and standardized elements; and use of the CIC's carbon assessment tool, etc.
Development of district cooling system	- adopt high efficiency chillers	<p><u>Integration of Chilled Water System:</u></p> <ul style="list-style-type: none"> • AA integrated the chilled water system of T1 & GTC in 2011. • AA modified the existing integrated chilled water system to re-connect HKIAT & HKIA Com chilled water supply to GTC after T2 decommissioned. <p><u>Replacement of High Efficiency Chillers:</u></p> <ul style="list-style-type: none"> • AA replaced 2 nos. of 3500TR chillers in T1 with higher efficiency model in 2016. • AA replaced 3 nos. of 600 TR chillers in GTC with 800TR higher efficiency oil-free chillers in 2020.

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		<ul style="list-style-type: none"> • AA replaced 2 nos. of 3500 TR chillers in T1 with 5000TR higher efficiency chillers in 2020. • AA will replace the remaining 2 nos. of 3500TR chillers to further enhance energy efficiency by 2024.
Green Transport		
Zero carbon emissions from transport	- equip parking spaces with electric vehicle charging provision, preferably with a target and a timeline	AA will provide over 947 charging points by 2030 to support airport operations.
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"> • All airside saloon type vehicles electrified from 2018 onwards • Other remaining airside private cars to be electric by 2022 • Airside vans, minibuses and buses to be electric commencing in 2024 (subject to availability in market) • EV100 commitment – AA will increase the number of EVs in HKIA from the existing 720 to more than 3,300 by 2030.
Maintaining a public transport system with railway as the	- encourage employees to use public transport	There is a wide variety of public transport services that operate to and from HKIA. More details can be found in our corporate website .

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backbone		
Waste Reduction		
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 	<p><u>AA's new waste target</u></p> <ul style="list-style-type: none"> • To support the Government's updated strategy of developing a circular economy and planned new waste-to-resources and Waste-to-Energy infrastructure, AA set its new waste target in 2021 - to increase the recyclables recovery rate by 25% by 2025 compared to a 2018 baseline. More details can be found on p.56 of our Sustainability Report 2020/21. <p><u>Municipal Solid Waste (MSW) charging</u></p> <ul style="list-style-type: none"> • To support the Government's MSW charging scheme and give the airport community an early start in experiencing the waste charging process, AA completed a MSW charging pilot scheme in 2019. More details can be found on p.48-50 of our Sustainability Report 2018/19. • AA will adopt an appropriate MSW charging mechanism in line with the Government's phasing-in plan.
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 	<p><u>Plastic Water Bottles Reduction</u></p> <ul style="list-style-type: none"> • More than 100 water drinking fountains have been in use across the passenger terminals and concourses at HKIA; around 40 additional water dispensers are being installed in these buildings between end-2021 and

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	<ul style="list-style-type: none"> - reduce the use of single-use plastic packaging - 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 - 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 	<p>2022.</p> <p><u>Disposable Plastic Tableware Reduction</u></p> <ul style="list-style-type: none"> • AA has revised the licence agreements with caterers operating at HKIA to request the use of reusable and durable crockery, cutlery and food containers for eat-in customers. AA will regularly review and update the terms and conditions of HKIA licensee agreements to keep up with best practice environmental initiatives. <p><u>Recycling of Other Plastics</u></p> <ul style="list-style-type: none"> • In addition to the PET and HDPE recycling, AA currently collects waste LDPE plastic film generated from logistics packaging for recycling. AA will continuously look into the feasibility of sorting and recycling of other types of waste plastic.