

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>Under review, making reference to the HKSAR Climate Action Plan.</p> <p>The Club's greenhouse gas emissions (scope 1 and 2) are reported in its Annual Report (see link). The Club's CO2-e emissions in Hong Kong have been reduced by 25% over the last 10 years, FY2009/10 to FY2019/20.</p> |
| 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>The Club has green procurement guidelines and policies and is continuing to evolve these with reference to the Government's list of green procurement items. The Club has a green mobility policy related to electric and hybrid vehicles and a policy on avoidance of single-use plastics. Training in sustainable procurement is provided to relevant departments.</p> |
| Green finance | <ul style="list-style-type: none"> - utilise green financing instrument to raise fund | <p>The Club has been integrating ESG (Environmental, Social and Governance) factors into its investment process since 2018. Currently over 90% of the</p> |

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| | | <p>Club's externally managed assets are managed with an ESG policy in place, reflecting both the investment industry's growing focus on sustainability and the Club's active implementation of its ESG policy. The majority of the Club's mandated managers are signatories to the United Nations Principles for Responsible Investment and/or other ESG standard setting organisations. Going forward, the Club will enhance the collection of ESG-related metrics with a view to more effectively assessing the outcomes of integrating ESG into the investment process.</p> <p>[Ref: Club Annual Report 2020/21]</p> |
| Net-Zero Electricity Generation | | |
| <p>Developing renewable energy</p> | <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 | <p>The Club's approach is to install as much solar Photovoltaic (PV) as practical throughout its existing buildings and to include solar PV in new developments. The Club's first solar PV installation of 44 kWp was completed in early June 2021.</p> <p>The target for the coming four years is to install panels on a further 67 rooftops, including Club-operated community facilities. The aim is to generate ~3million kWh of electricity annually by July 2025.</p> <p>Overall, the solar energy generated will be equivalent to 2% of Club's energy demand.</p> |

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| | | <p>The HKJC Charities Trust has funded Carbon Care Inno Lab Limited to organise the Jockey Club Solar Care Programme (HK\$79 million donated to date) to establish the first renewable energy service hub in Hong Kong to facilitate wider use of renewable energy in the community. Altogether, the programme will install solar PV systems at 35 premises organisations owned/operated by charitable organisations between 2019 and 2022. The estimated annual electricity generation is 3 million kWh upon completion of all installations.</p> <p>The HKJC Charities Trust has also provided HK\$15 million to the Hong Chi Association to install solar PV systems at 13 of its special schools. This is estimated to produce over 360,000 kWh per year and benefit 2,000 students with intellectual disabilities.</p> |
| Energy saving targets | - set electricity usage reduction target with a timeline | <p>The Club reports energy consumption in its Annual Report and Environmental Report. The total energy consumption (GJ) of the Club's Hong Kong operations has been reduced by 8% over the last 10 years, FY2009/10 to FY2019/20.</p> <p>The Club is reviewing its targets. Below are current Club targets/ plans:</p> <ul style="list-style-type: none"> - Reduce energy consumption (electricity and town gas) at all three members clubhouses by 10% from the 2018/19 level by 2023/24; |

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| | | <ul style="list-style-type: none"> - Optimise air-conditioning systems in data centres to significantly improve power utilisation. - Install LED lighting on tracks at Happy Valley and Sha Tin racecourses by July 2022, this being 30% more efficient than current metal halide systems. |
| 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. | <p>The Club will continue to follow local and international standards, including BEAM Plus, as best suits development and renovation projects.</p> <ul style="list-style-type: none"> - The IT Operations Building under construction targets a PUE of 1.45. - Happy Valley New Clubhouse, opened in 2019, received a Hong Kong BEAM Plus Gold rating. - Sha Tin Communication and Technology Centre, opened in 2015, was developed according to a customised specification based on analyses of several standards. The completed building rated BEAM Plus Gold, LEED Gold and received ASHREA award/recognition. <p>Since 2017, all new buildings funded by the HKJC Charities Trust are required to achieve Silver rating or above of BEAM Plus. There are at least 7 Club-funded buildings have received BEAM Plus certification.</p> |

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| | smart technology to enhance energy efficiency in air-conditioning system) | |
| Greater use of energy management tools | <ul style="list-style-type: none"> - conduct energy audit and implement identified energy management opportunities - conduct retro-commissioning | Energy saving projects are implemented as recommended by energy audit reports. Asset management plans are reviewed and updated annually to reflect identified opportunities. |
| 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"> -Where possible generators are avoided during construction projects -The Club is exploring technologies for non-diesel equipment, plants and vehicles |
| Development of district cooling system | - adopt high efficiency chillers | District Cooling Systems (DCS) were installed in phases from 2009 to 2014 at both Happy Valley and Sha Tin racecourse grandstands (7500 and 8000 TR respectively), as well as at the Sha Tin stables precinct (4000 TR-3000 TR in |

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| | | <p>2012 and 1000 TR in 2017). These DCSs were equipped with high efficiency water-cooled chillers and variable speed pumps. These have achieved 30% energy saving at both grandstands and an even higher saving of over 40% at the stables precinct, as compared with the previous air-cooled chillers.</p> |
| <p>Zero carbon emissions from transport</p> | <p>- equip parking spaces with electric vehicle charging provision, preferably with a target and a timeline</p> | <p>The Club installs electric vehicle (EV) charging infrastructure as much as practical. The Club is currently reviewing the EV infrastructure in its premises and developing plans for accommodating electric vehicle over the coming 10 years.</p> <p>The Club has installed 70 EV chargers in its facilities as of June 2021. A new members carpark will add 50 more by 2026. All 8 parking spaces at the redeveloped Pokfulam Public Riding School will be equipped with EV chargers (2024).</p> <p>At Happy Valley New Clubhouse, opened in 2019, a new energy efficient EV charging system has been installed with a load management multi-car charging function. This charging system is the first of its kind in Hong Kong.</p> |
| <p>Phasing out of fuel-propelled and hybrid</p> | <p>- electrify the corporate fleet, preferably with a target and a timeline</p> | <p>The Club's policy is to only procure electric or hybrid vehicles, if available.</p> |

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| vehicles progressively | - adopt low carbon logistics planning and delivery with technology to reduce carbon footprint | <p>Currently HKJC has 27 EV cars and plans to replace 26 hybrid cars and 10 petrol cars. The Club plans to remove the hybrid option from its policy as electric options become available.</p> <p>The Club has hired an electric shuttle bus for its Conghua Racecourse in Guangzhou. However it has not yet been able to hire an electric shuttle bus in Hong Kong.</p> <p>Green Mobility targets:</p> <ul style="list-style-type: none"> - 100% of Club owned passenger vehicles will be electric or hybrid by July 2022. As of June 2021, 84% met the target. - 100% goods vehicles will be Euro5 or above by July 2022. As of June 2021, 96% of goods vehicles were Euro V standard or above. |
| Maintaining a public transport system with railway as the backbone | - encourage employees to use public transport | <p>The Club provides shuttle services between its core facilities and public transport hubs to facilitate staff commuting.</p> <p>The Club encourages racegoers to use public transport to reach its racecourses. Sha Tin Racecourse has a dedicated railway station and plentiful accommodations for public buses. Happy Valley Racecourse is well served by public transport.</p> |
| Waste Reduction | | |
| Promoting waste | - support the implementation of | |

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| reduction and recycling | <p>municipal solid waste charging (e.g. not to allow bulk-purchasing “designated garbage bags” and distributing them to tenants)</p> <ul style="list-style-type: none"> - 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>Food waste: Food waste is collected from all Club catering operations, including canteens, and delivered on a daily basis to O-Park 1. -Food waste data is published annually (see link).</p> <p>Paper: -The Club target for 40% reduction of office paper (from 2014/15 baseline) by July 2021 has been achieved. -Next target is to reduce it to over 50% by 2024/25. -Paper used for betting slips has been reduced by 85% and for thermal receipts by 88% from FY2009/10 to FY20/21. -Data on paper reduction is published annually (see link).</p> <p>Materials –recycling and donation: The Club publishes data annually on materials donated (including food and electronic equipment) and materials sent to recyclers (see link).</p> <p>Stable waste management: -The Club sends about 9,600 tonnes of horse stable waste to composting annually. -The Club targets to avoid a further 3,650 tonnes per year sent to landfill through the installation of a biochar plant in late 2021as part of a pilot programme. It plans to scale up the programme over the coming 5 years.</p> |

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| 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 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>Free water is provided at all venues managed by the Club. These include Tai Kwun Centre for Arts and Heritage, Kau Sai Chau Public Golf Course, three Public Riding School sand Penfold Park. 85 fixed and deployable water dispenser points are also provided at racecourses.</p> <p>The Club established a Single-use Plastics Policy in 2018 which eliminated seven types of single-use plastic and directed exploration of alternatives for others.</p> <p>Estimated quantities of plastic avoided annually include:</p> <ul style="list-style-type: none"> • ~ 300,000 single-use water bottles • ~ 1.2 million pieces of plastic cutlery • ~ 400,000 PVC bags at Retail branches • ~ 75,000 large plastic garbage bags • ~52,000 plastic take-away bags <p>However, to fulfill requirements of MSW Charging, our quarantine stables are required to reintroduce plastic bags, which is likely to override our avoidance effort.</p> |