

NIK MOHAMMED FAIZAL BIN NIK ALI

Architect

Department of Project Implementation and Building Maintenance, Kuala Lumpur City Hall



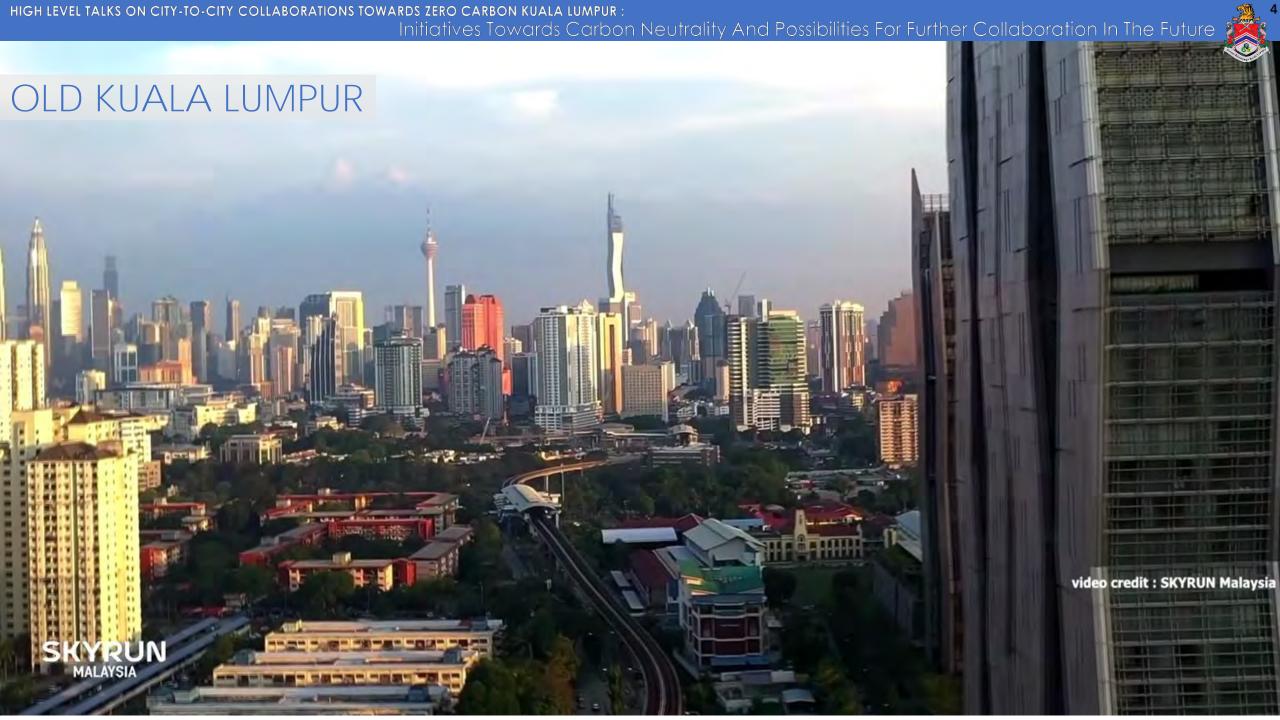


Kuala Lumpur today is Malaysia's engine of growth, leading the country's economic productivity, driving sociocultural trends and shaping the nation's future.

HIGH LEVEL TALKS ON CITY-TO-CITY COLLABORATIONS TOWARDS ZERO CARBON KUALA LUMPUR:

Initiatives Towards Carbon Neutrality And Possibilities For Further Collaboration In The Future Road to Carbon Neutral: Kuala Lumpur Low Carbon Society 2030 to Carbon Neutral City 2050







KUALA LUMPUR TODAY



Population (2019)



5.6%

of Malaysian population (2019)



863,400



Working Population **841,000**

Labour Participation rate

70%



Cummulative Average Growth Rate for Labour Force (2010-2018)

2.6%



Unemployment Rate

2.6%

Multinational Companies (MNCs)



62 MNCs based in Kuala Lumpur as of 2019

4,367 MNC skilled workers in 2019



100 MNCs in KL by 2040

Tourist Destination



13.78milInternational visitors in Kuala Lumpur in 2019

6th most visited destination in the world in 2019

Global Employment Hub

119 Financial institution in Kuala Lumpur including Insurance, Takaful, Islamic Financing etc.

104 Embassies and High Commissioners offices in Kuala Lumpur

27 International organisations based in Kuala Lumpur

Global Positioning

2nd Most Developed Islamic Finance Market in 2019

12th Ease of Doing Business Globally in 2020

*Source: Draft of PSKL 2040 *Source: Draft of PSKL 2040

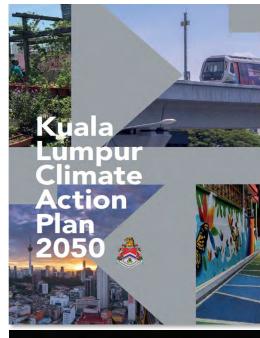


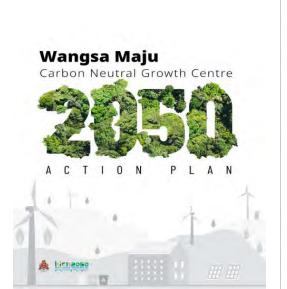
MASTER PLANS



8 UTM PORTUGUE STATE STA











SUSTAINABLE DEVELOPMENT GOALS (SDGS)





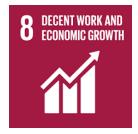




















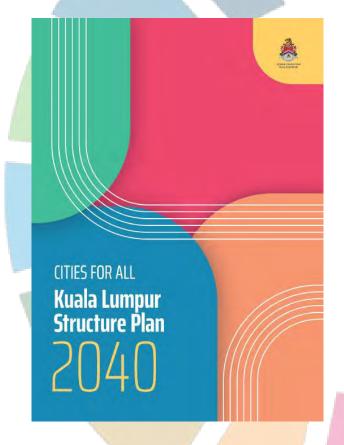












Raise public awareness of our commitment to our sustainability agenda



PARTNERS & COLLABORATORS

NATIONAL









INTERNATIONAL





















United Cities





Universiti

Malaysia

KEBANGSAAN

National University of Malaysia

































UN-HABITAT SCROLL OF HONOUR AWARD & C40 CITIES BLOOMBERG PHILANTHROPIES AWARDS[TOKYO-KUALA LUMPUR]

WUF9 LEGACY PROJECTS

UN-HABITAT SCROLL OF HONOUR AWARD

Mind the Gap. Leave No One and Place Behind



2022 KUALA LUMPUR CITY HALL





1

SAITAMA-CITY











C40 CFF GIZ INITIATIVES







EE & SOLAR PV KUALA LUMPUR CITY HALL











AEON SOLAR PV

AEON Wangsa Maju has installed solar panels on their rooftops and parking areas, provided recycling centres in the mall as well as a dedicated section for the public to learn more about sustainability.





Kuala Lumpur has reduced emissions from this effort by 91,699 tonnes of CO2 which is equivalent to 5558 matured trees.

VISIBILITY IS KEY

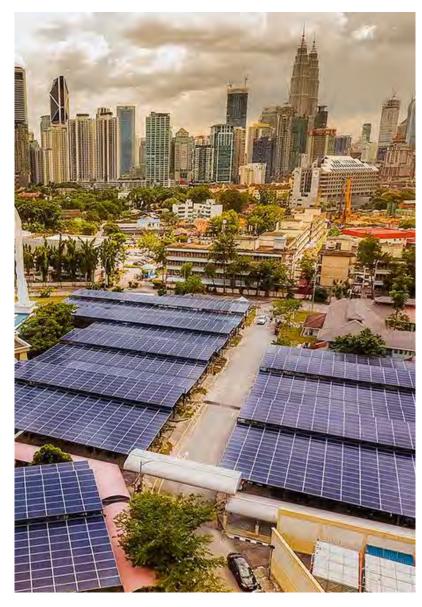
PRIVATE SECTOR-SOLAR PV EFFORTS













KL CITY HALL-LOW CARBON INITIATIVES (Renewable Energy)





Kuala Lumpur City Hall has reduced emissions from this effort by 32 kilo tonnes of CO2 which is equivalent to 1960 matured trees.









PLANTING MORE TREES









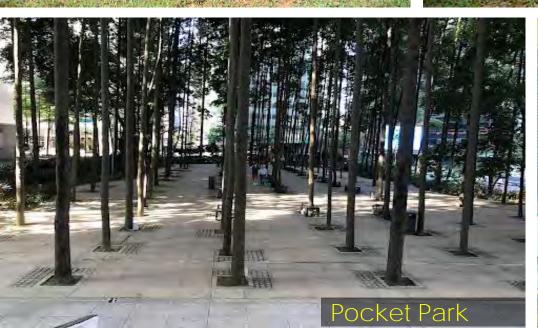








From 2010 until 2022, Kuala Lumpur has planted a total of 170,351 mature trees and it can absorb carbon in the city as much as 2,810,792 tonne C02.





1 COMMUNITY 1 RECYCLE PROGRAMME















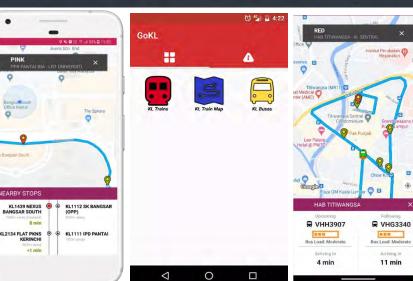
In 2021, Kuala Lumpur has reduced carbon emissions by 47.29 kilo tonnes of CO2, the difference with 2014. The difference is equivalent to the planting of 2866 trees



EV BUS: FIRST-MILE LAST-MILE CONNECT



Since the use of EV GOKL 2022, Kuala Lumpur has reduced as much as 593 tonnes CO2 which is equivalent to 36 matured trees.





GoKL City Bus free bus service to go fully electric by early 2023, using 60 Malaysian-made SKS EV buses

In Hybrids, EVs and Alternative Fuel, Local News, Public Transport / By Anthony Lim / 28 October 2021 6:42 pm / 9





ELECTRIC TRAIN: FIRST-MILE LAST-MILE CONNECTIVITY





The Electric Train Transportation System has successfully enabled the transportation sector to contribute to the reduction of Kuala Lumpur City's carbon emissions by 47,341 tonne Co2 in 2022. This value is equivalent to carbon absorption by 2869 trees.



PEDESTRIAN AND CYCLING NETWORK











2

CAR FREE AREA

This Car Free Area is fully pedestrianised with street artists, buskers, entertainers, cultural performances and food carts.









22

WANGSA MAJU CARBON NEUTRAL GROWTH CENTRE

Wangsa Maju
Carbon Neutral
Growth Centre will
set the stage for a
greener and more
sustainable and
liveable Kuala
Lumpur

Percentage of Land Use in Wangsa Maju CNGC



31.53% Housing



30.24% Transportation



16.28% Vacant Land



6.64%Facilities



6.13% Commercial



3.62% Open Spaces



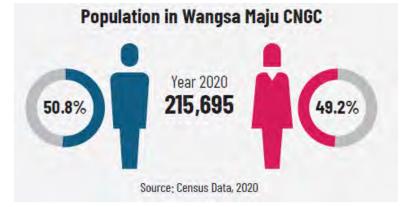
2.77% Water Bodies



1.88% Infrastructure & Utility



Industry



CARBON NEUTRALITY OPPORTUNITIES IN WANGSA MAJU GROWTH CENTRE

(1)Solar on Infrastructure 1a.Rooftop Solar PV 1b. Solar for Pedestrian Mist (2) Floating Solar PV (3) District Energy System

WM Seksyen 2 Mobility Energy

(11) Pedestrian Cycling Network

(12) Public Transportation Improvement

(13) Station Area Planning

(4) Anaerobic Digester

(5) Waste Composting Plant

(6) Waste Recycling Points

(14) Eco Park (15) Community Farming

(16) Introduce Community Water and

Energy Saving Program

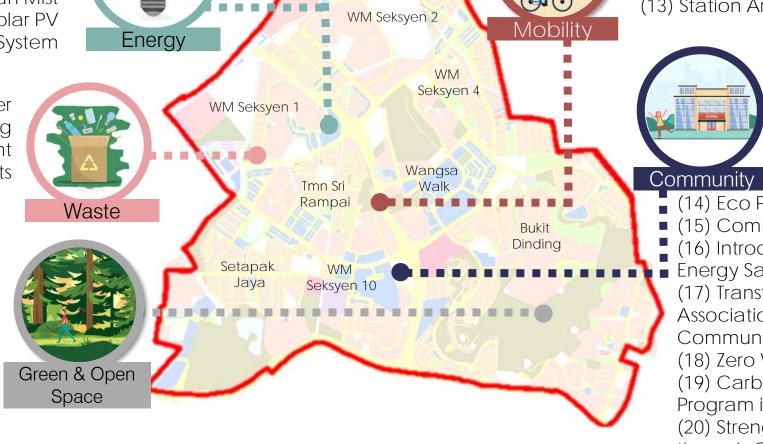
(17) Transforming the Existing Resident Association into Carbon Neutral Community

(18) Zero Waste Community

(19) Carbon Neutral Challenge Program in Schools

(20) Strengthen School Community through Concentrated Efforts

(7) Open Space and Forest Protection (8) Vertical/Roof Garden (9) Linear Urban Parks (10) River Cleaning



CONCLUSION













