

# TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

Kuala Lumpur will be a low carbon and climate smart city by 2040 to address the global effects of climate change and to protect the city against its impacts

### Kuala Lumpur Commitment to SDG 13



### POLICIES AND PLANNING FRAMEWORK

### Kuala Lumpur 2040

**GOAL 4: A low carbon and climate smart city:** 

PR1

**Buildi resilience to natural** disaster and climate change by preparing plans of actions, empowering data and information and improve its management and enforcement

PR2

**Efficient management of the** city resources by using technologies, produce renewable energy and ensure productive management of waste

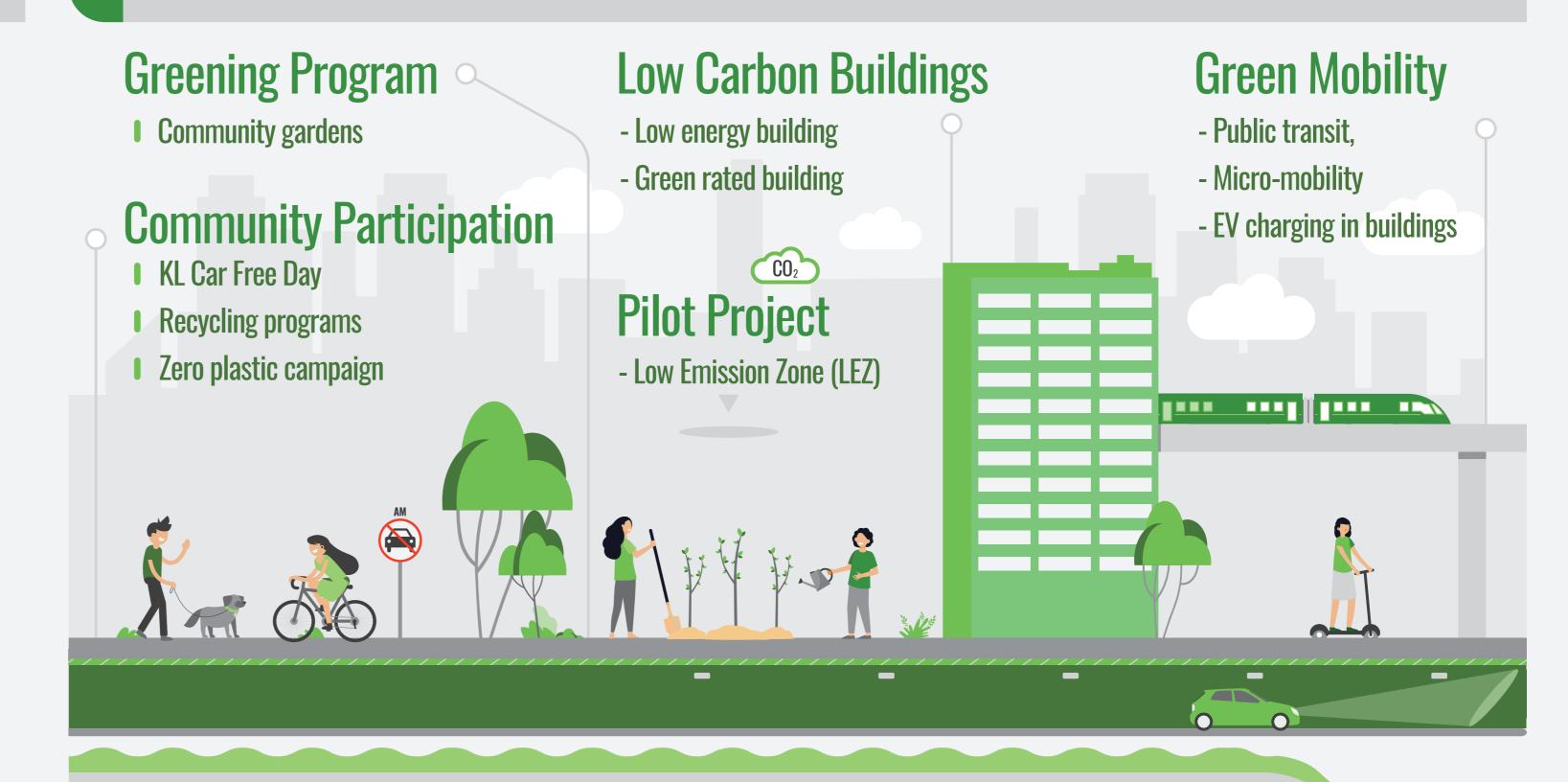
PR3

Reduction in the city's carbon emission by encouraging low carbon buildings, use of green and low carbon transportation modes and clean and green industries.

PR4

Transform into low carbon community when people collaborate to reduce CO2 emissions.

### ON-GOING PROJECTS AND PROGRAMMES



Flash Flood Mitigation Program Smart tunnel, Flood rention ponds, Stormwater channels

Kuala Lumpur support Malaysia's commitment to reduce carbon emission intensity of per capita GDP by 45% in 2030, in comparison to emission intensity in 2005.



Reduce carbon emission intensity in 2030.

**TARGETS** 



Kuala Lumpur will become a carbon neutral city in 2050.

### Kuala Lumpur Progress to SDG 13

## Flash flood mitigation programs and alternative water resource

KLCH and Department of Irrigation have built 27 retention ponds across the city to mitigate flash flood occurrence during heavy downfalls to reduce impact of floods. The excess water is captured and stored as alternative water resource during drought season. Stormwater Management and Road Tunnel or SMART Tunnel is Kuala Lumpur pivotal project to reduce the city's floods.



27 retention ponds

across the city to mitigate flash flood occurrence during heavy downfalls



Kuala Lumpur pivotal project to reduce flash floods

Stormwater Management and Road Tunnel or SMART Tunnel started operation in July 2007 with 9.7 km length.

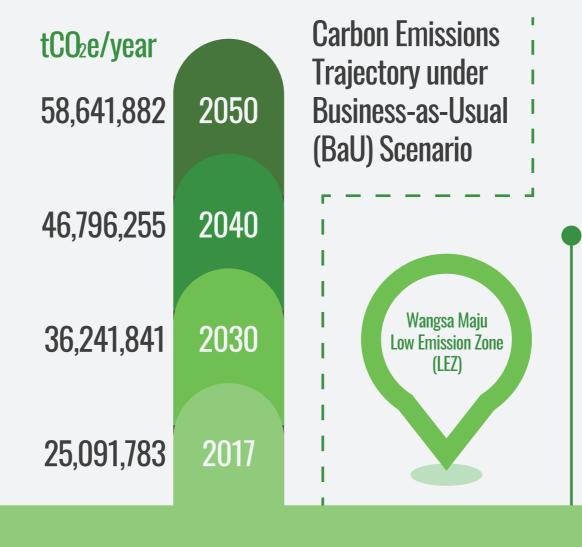
160 km **SMART catchment**  3 mil cubic meter **Total storage capacity** 

RM 1.933 Bil

RM556 Mil Total benefit from 2007 - 2020 Cost of project

### A low carbon urban society

By 2050, Kuala Lumpur is likely to increase its emission by 2.3 times (BAU) and it has embark on community-based programs to change its society.



25,094,052 tCO 2e/year **Kuala Lumpur annual carbon** footprint in 2017

**KL Car Free Morning** First Sunday of each month covering major streets in **Kuala Lumpur Golden Triangle** 





