



5 LOW CARBON PLANNING AWARD
CITY CATEGORY



Wangsa Maju Carbon Neutral Growth Centre

KLCCN2050
KUALA LUMPUR CARBON NEUTRAL

ENERGY TRANSPORTATION WASTE GREEN COMMUNITY





“VISIBILITY IS A KEY”



Published by: City Planning Department

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ABSTRACT

Kuala Lumpur is a Federal Territory and the economic capital of Malaysia. It is the largest city in Malaysia, covering an area of 242.2 km² with an estimated population of 1.98 million as of 2030 that is projected to grow to over 2.46 million by 2050. For efficient, effective, and sustainable growth planning, the city is divided into six strategic zones. A key strategic zone that is seeing steady growth and accounting for over 20% of Kuala Lumpur's population is the Wangsa Maju-Maluri Strategic Zone. The area covering an area of 2,649.20 acres and located in the northern part of the Strategic Zone, as a key growth centre.

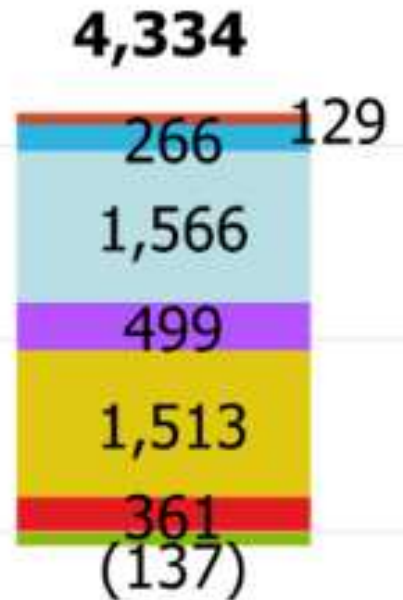


Legend:
 Wangsa Maju CNGC Boundary

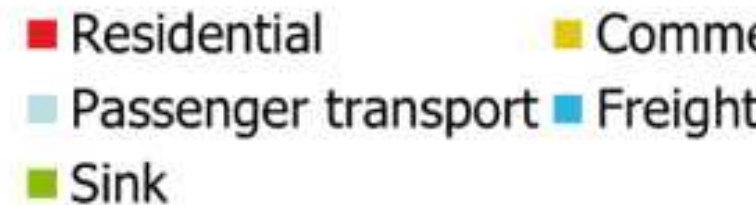
This project focusing on immediate implementation of projects in the Wangsa Maju Carbon Neutral Growth Centre, through the Wangsa Maju Carbon Neutral Growth Centre 2050 Action Plan. This project aims to develop the Wangsa Maju Growth Centre into a thriving, prosperous, carbon neutral urban precinct, serving as a pioneer showcase that is up-scalable to other Kuala Lumpur Strategic Zones for a progressive transformation of Kuala Lumpur into a carbon neutral city by 2050.

Greenhouse gas emissions to increase from 4 scenario. Preliminary

The greenhouse gas emissions from the commercial sector will be about 4 times the total as compared with year 2010 in the 2050 BaU scenario and the share will be around 47% of total GHG emissions. GHG emissions from passenger transport in 2030 BaU are also found to be almost triple the amount in 2010 and the share will be 29% of the total GHG emissions. This points to huge potentials for reduction in Wangsa Maju's GHG emission by strategically focusing on carbon neutrality initiative in the commercial and transportation sectors.



2010



Under this action Lumpur as major p for the developr ambitious green Malaysia's GHG r greenh

20 climate action identified and defined. These carbon neutrality opportunities or actions have been identified based on the following considerations, namely emissions reduction potential, climate resiliency, equitable benefits, promotion of community inclusion, and most importantly, project feasibility taking into account KLCH's capacity in realising and sustaining them.



Wangsa Maju and Kuala Lumpur



Gross Domestic Product

2010: RM 84,852 million
2030: RM 349,992 million
2050: RM 603,006 million



Location

On the central west coast of Peninsular Malaysia, enclave within the State of Selangor and Klang Valley
Coordinate: 3.1390° N, 101.6869° E

Function

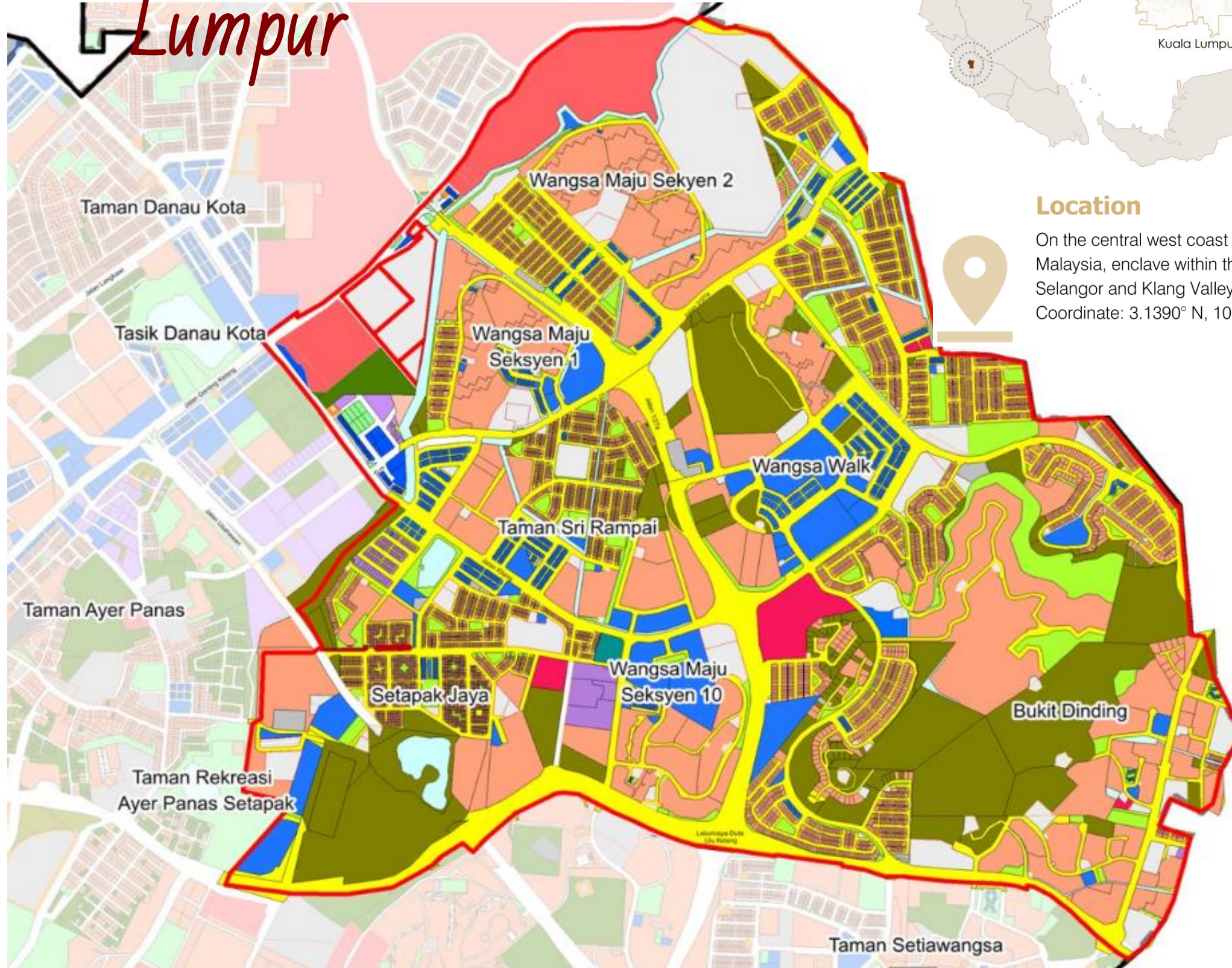
National Capital of Malaysia. One of the major commercial, financial, education, entertainment, healthcare, cultural, and tourism centres of Asia.

Area

Kuala Lumpur: 242.2 km²
Wangsa Maju-Maluri
Strategic Zone: 46.1 km²
Wangsa Maju Growth Centre: 10.72 km²

Population

2010: 1.67 million
(Source: PSKL 2020)
2030: 1.98 million
(Source: PSKL 2040)
2050: 2.46 million
(Source: UTM-LCARC Projection)





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APPLICATION FORM

1.1 INTENTION TO PARTICIPATE

Kindly fax this form to 03-78779636 or email to mippea2022@gmail.com or not later than 1st July 2022 (Friday)



A. Title of Project

WANGSA MAJU CARBON NEUTRAL GROWTH CENTRE

B. Name(s) of Submitting Organisation/Individual : Full mailing address, including phone number fax number and e-mail address

CITY PLANNING DEPARTMENT, 7TH-14TH FLOOR, DBKL TOWER 1, JALAN RAJA LAUT, 50350 KUALA LUMPUR
Tel : 03-2617 9690, Fax : 03-2691 0144, Email : klresilientcity@gmail.com / jprb@dbkl.gov.my

C. Location of Project : Full address of the project location/site, include GPS coordinate in format of latitude and longitude. E.g : Geg/Min/Sec

3.203492, 101.726770

D. Expected Duration of Project : include start date – estimate if necessary

2021-2050

E. Categories Intended for this Submission (please tick accordingly)

- | | | |
|--|-------------------------------------|-----|
| 1. PRESIDENT'S AWARD | <input type="checkbox"/> | N/A |
| 2. DESIGN EXCELLENCE AWARD | <input type="checkbox"/> | |
| • Large Scale Category (above 250 acres) | <input type="checkbox"/> | |
| • Medium Scale Category (100-249 acres) | <input type="checkbox"/> | |
| • Small Scale Category (below 99 acres) | <input type="checkbox"/> | |
| • International Project Category | <input type="checkbox"/> | |
| 3. STRATEGIC PLANNING AWARD | <input type="checkbox"/> | |
| 4. PLACEMAKING AND PUBLIC SPACE AWARD | <input type="checkbox"/> | |
| • Private Sector Initiative | <input type="checkbox"/> | |
| • Government Initiative Category | <input type="checkbox"/> | |
| • Community-Led Initiative Category | <input type="checkbox"/> | |
| 5. LOW CARBON PLANNING AWARD | <input checked="" type="checkbox"/> | |
| • City Category | <input type="checkbox"/> | |
| • Building Category | <input type="checkbox"/> | |
| • Infrastructure Category | <input type="checkbox"/> | |
| 6. INNOVATIVE PLANNING AWARD | <input type="checkbox"/> | |
| • Technology Planning Category | <input type="checkbox"/> | |
| • Innovation and Policy Making Category | <input type="checkbox"/> | |
| • Master Planning Category | <input type="checkbox"/> | |
| 7. COMMUNITY BASED PLANNING AWARD | <input type="checkbox"/> | |

8. PLANNING SERVICE EXCELLENCE AWARD

- Government Agencies Category (Local Authority & PLANMalaysia)
- Government Related Agencies Category

9. HERITAGE AND CONSERVATION AWARD

- Policy & Study Category
- Project Based Category

10. INCLUSIVE DESIGN AWARD

11. PLANNING SCHOLAR AWARD

12. YOUNG PLANNER OF THE YEAR

- Public Sector Category
- Private Sector Category

13. OUTSTANDING STUDENT PROJECT

- Master Plan Category
- Strategic Plan Category

14. BEST PLANNING ARTICLE IN PRINT/ONLINE MEDIA

I MOHD YUSHANIZAR BIN MD. YUSOFF (insert name of individual/organisation representing the submission) hereby certify that the statements and information in this application form are true and correct to the best of my knowledge and belief, and I authorised the Malaysian Institute of Planners (MIP) to investigate all statements or other information contained in this application form and any attachments submitted with it, unless I have stated in writing to the contrary.

Name : MOHD YUSHANIZAR BIN MD. YUSOFF

Contact No. : 012-906 6465

Signature :

Date: 5/7/2022

FORM_ITP_02



1.2 APPLICANTS DETAILS

Name of Nominee : MOHD YUSHANIZAR BIN MD. YUSOFF

Company/Organisation : CITY PLANNING DEPARTMENT, KUALA LUMPUR CITY HALL

Address : 7TH-14TH FLOOR, DBKL TOWER 1,
JALAN RAJA LAUT, 50350 KUALA LUMPUR

City : KUALA LUMPUR **State :** KUALA LUMPUR **Postcode :** 50350

Office No : 03-2617 9690 **Fax No :** 03-2691 0144 **Email :** klresilientcity@gmail.com
jprb@dbkl.gov.my

Is the applicant the sole author of entry?
 Yes No

If not, the applicant must provide details of all partners and/or organisations on a separate form (refer page 31). The project team (in full) and the client are fully aware the application is being made?

Yes No

Is the applicant a member of the MIP?
Name : SULAIMAN BIN MOHAMED
MIP Membership Number : 786/20

1.3 AWARD DETAILS

RECIPIENT NO. 1 (SUBMITTING PERSON) : NOT APPLICABLE
 Name to be appeared on certificate (Please list all additional project partners in the Project Team form, page 31)

Address :

City : **State :** **Postcode :**

Office No : **Fax No :** **Email :**

RECIPIENT NO. 2 :
 Name to be appeared on certificate

Address :

City : **State :** **Postcode :**

Office No : **Fax No :** **Email :**

1.4 SUBMISSION OF ENTRY

Submission (one form per entry)
Choose which Entry you wish to submit for :

<input type="radio"/> 1. DESIGN EXCELLENCE AWARD		RM 1,500
<input type="radio"/> Large Scale Category (above 250 acres)	<input type="radio"/> Medium Scale Category (100-249 acres)	
<input type="radio"/> Small Scale Category (below 99 acres)	<input type="radio"/> International Project Category	
<input type="radio"/> 2. STRATEGIC PLANNING AWARD		RM 1,500
<input type="radio"/> 3. PLACE MAKING AND PUBLIC SPACE AWARD		RM 1,500
<input type="radio"/> Private Sector Initiative Category	<input type="radio"/> Government Initiative Category	<input type="radio"/> Community-Led Initiative Category
<input type="radio"/> 4. LOW CARBON PLANNING AWARD		RM 1,500
<input checked="" type="radio"/> City Category	<input type="radio"/> Building Category	<input type="radio"/> Infrastructure Category
<input type="radio"/> 5. INNOVATIVE PLANNING AWARD		RM 1,500
<input type="radio"/> Technology Planning Category	<input type="radio"/> Innovation & Policy Making Category	
<input type="radio"/> 6. COMMUNITY BASED PLANNING AWARD		RM 1,500
<input type="radio"/> 7. PLANNING SERVICE EXCELLENCE AWARD		RM 1,500
<input type="radio"/> Government Agencies Category	<input type="radio"/> Government Related Agencies Category	
<input type="radio"/> 8. HERITAGE & CONSERVATION AWARD		RM 1,500
<input type="radio"/> Policy & Study Category	<input type="radio"/> Project Based Category	
<input type="radio"/> 9. INCLUSIVE DESIGN AWARD		RM 1,500
<input type="radio"/> 10. PLANNING SCHOLAR AWARD		RM 1,500
<input type="radio"/> 11. YOUNG PLANNER OF THE YEAR		RM 1,500
<input type="radio"/> Public Sector Category	<input type="radio"/> Private Sector Category	
<input type="radio"/> 12. OUTSTANDING STUDENTS AWARD		Waived
<input type="radio"/> Masterplan Category	<input type="radio"/> Strategic Planning Category	
<input type="radio"/> 13. BEST PLANNING ARTICLE PRINT / DIGITAL MEDIA		Waived

Cheque can be made payable to **Pertubuhan Perancang Malaysia (Maybank Account No 5623 5751 4910)**. Please fax to 03 - 78779636 or email the transaction slip to mippea2022@gmail.com as proof of payment & receipts issuance.

1.5 PROJECT TEAM

The person or organisation making the nomination for the award is responsible for ensuring the correct attributions of the parties involved. The MIP takes no responsibility for any parties omitted from the entry.

PARTNER ORGANISATION 1 :

Name of Nominee : MUHAMMAD AZRI BIN ABDUL AZIZ

Company/Organisation : CITY TRANSPORTATION DEPARTMENT, KUALA LUMPUR CITY HALL

Address : 7TH-8TH FLOOR, DBKL TOWER 2, JALAN RAJA LAUT, 50350 KUALA LUMPUR

City : KUALA LUMPUR **State :** KUALA LUMPUR **Postcode :** 50350

Office No : 03-2028 2280 **Fax No :** 03-2693 9245 **Email :** jpb@dbkl.gov.my

PARTNER ORGANISATION 2 :

Name of Nominee : NORHAYATI BINTI MAT SAID

Company/Organisation : HEALTH AND ENVIRONMENTAL DEPARTMENT, KUALA LUMPUR CITY HALL

Address : KM4, JALAN CHERAS, 56100 KUALA LUMPUR

City : KUALA LUMPUR **State :** KUALA LUMPUR **Postcode :** 56100

Office No : 03-9206 0250 **Fax No :** 03-9282 2305 **Email :** jkas@dbkl.gov.my

PARTNER ORGANISATION 3 :

Name of Nominee : NIK MOHAMED FAIZAL BIN NIK ALI

Company/Organisation : PROJECT IMPLEMENTATION AND MAINTENANCE DEPARTMENT, KUALA LUMPUR CITY HALL

Address : 17TH, 21-25TH FLOOR, DBKL TOWER 3, JALAN RAJA ABDULLAH, 50350 KUALA LUMPUR

City : KUALA LUMPUR **State :** KUALA LUMPUR **Postcode :** 50350

Office No : 03-2617 6505 **Fax No :** - **Email :** jpppa@dbkl.gov.my



1.6

COPYRIGHT AND MORAL RIGHTS NOTIFICATION FORM

PART 1 - NOMINATED PROJECT :

1. I am the copyright owner of the nominated project Company/Organisation :

Yes No

2. If you are not the copyright owner of the nominated project, are you a licensee?

Yes No

3. If you are not the owner of the copyright in the Nominated Project and not a licensee, who is?
Please provide details of the copyright owner :

4. Please select one of the following that applies to you:

a. I am the moral rights owner of the nominated project and I consent to my work being reproduced, exhibited, published, communicated and/or adapted by the MIP for the purposes of the Planning Excellence Awards and authorship will be attributed to me.

Yes, this applies to me

b. I have the written consent from the true author of the nominated project (attached proof of document) who agrees to their project being reproduced, exhibited, published, communicated and/or adapted by the MIP for the purposes of the Planning Excellence Awards and authorship will be attributed to the true author.

Yes, this applies to me

c. I am not the moral rights owner and I do not have consent from the true author in making this nomination.

Yes, this applies to me

Note : Please provide written consent from the copyright owner or licensee

PART 2 - DESCRIPTIVE MATERIALS :

5. I am the copyright owner of the Descriptive Materials (including written, graphic, photographic, drawings, etc.)

Yes No (If yes, go to Question 8)

6. If you are not the copyright owner of the Descriptive Materials, are you a licensee?

Yes No (If yes, go to Question 8)

7. If you are not the copyright owner or a licensee of the Descriptive Materials, who is?
Please provide details of the copyright owner :

8. Please select one of the following that applies to you:

a. I am the moral rights owner of the nominated project and I consent to my work being reproduced, exhibited, published, communicated and/or adapted by the MIP for the purposes of the Planning Excellence Awards and authorship will be attributed to me.

Yes, this applies to me

b. I have the written consent from the true author of the nominated project (attached proof of document) who agrees to their project being reproduced, exhibited, published, communicated and/or adapted by the MIP for the purposes of the Planning Excellence Awards and authorship will be attributed to the true author.

Yes, this applies to me

c. I am not the moral rights owner and I do not have consent from the true author in making this nomination.

Yes, this applies to me

Note : Please provide written consent from the copyright owner or licensee

SIGNATURE

The statements I have made above are true and correct. I declare to indemnify the Malaysian Institute of Planners (MIP) in any event that I have made false, misleading and / or deceptive statements and agree to pay the MIP any damages and / or legal costs that may arise from any false, misleading and / or deceptive statements.

Signed : 

Date : 5/8/2022

Name : MOHD YUSHANIZAR BIN MD. YUSOFF

Designation : DEPUTY DIRECTOR

Company Stamp : JABATAN PERANCANGAN BANDARAYA DEWAN BANDARAYA KUALA LUMPUR

SUBMITTED MATERIALS

Please indicate the materials included with your entry :

Completed Nomination Form

Completed Part 1 (page 32) & Part 2 (page 33) of Copyright and Moral Rights Notification (if required)

Three hard copies of the entry submitted with all the compulsory written material

USB with the required number of images and a full electronic copy of each entry submission (Please label with project name)

Please note:

- Materials included with your submission will not be returned
- Please ensure that you keep a copy of this entry form and all graphic & and any written material included.



MIP
PEA
22
MIP PLANNING EXCELLENCE AWARDS



GERMIN KECEMASA
WiFi

WASALAH PER
KUALITI WALIA & TER
UTAM AZAR

Wangsa Maju Carbon Neutral Growth Centre





2.
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EXECUTIVE SUMMARY

Climate Change Impacts, various natural and human systems will feel the impacts of global warming at different temperature levels. While they will not usually contain within their boundaries agricultural land, rainforests, mangroves or coastal areas, cities and their residents rely heavily on managed and natural ecosystems for necessities including water, food, trade, economic development and protection from natural forces. Climate impacts across many sectors and systems will be felt not only by those directly facing the impacts, but also by urban populations around the world. Like most cities, this is the case for Kuala Lumpur. Catastrophic impacts of climate change are becoming increasingly clear, emphasising the incredible urgency with which we need to act if the ambitions agreed in Paris are to be met. The Intergovernmental Panel on Climate Change (IPCC)'s Special Report on Global Warming of 1.5°C⁹ shows that, based on current trends of consumption and infrastructure development, within five years the world will have 'locked-in' sufficient future carbon emissions to exceed a +1.5°C rise in global temperatures. A third of these emissions will be determined by cities, making them pivotal in any solution.

To reduce the climate change impacts, Malaysia's commitment to and ratification of the Paris Agreement of 2015 has been a strong driving factor for policy nationally and at the city level to address climate change and reduce carbon emissions. Kuala Lumpur, as Malaysia's capital city, is also proud to be a part of the international movement to act against climate change. A global transition into carbon neutrality by mid-century is therefore no longer an option in order to avert irreversible catastrophic impacts of a global warming beyond that of 1.5°C, and cities will continue to play an indispensable role in accelerating such a transition. As the national capital of rapidly developing Malaysia, and a leading city in mitigating Greenhouse Gases emissions and advancing the Sustainable Development Goals, Kuala Lumpur presciently announced its mid-century carbon neutrality vision at the end of 2020. Kuala Lumpur is well positioned and committed to leading other Malaysian and Asian developing cities towards achieving carbon neutrality by 2050.

Kuala Lumpur embarked its journey to combat climate change through community engagement and a carbon emissions reduction programmes in the early 2000s. Subsequent initiatives by the city council include establishing Kuala Lumpur City Hall's Carbon Management Plan 2017, the Kuala Lumpur Low Carbon Society Blueprint 2030 and the Kuala Lumpur Climate Action Plan 2050. Kuala Lumpur City Hall has also joined several international networks and made commitments to reduce carbon emissions from the municipality of Kuala Lumpur since 2015, as well as C40 Cities Global Covenant of Mayors (GCoM), CityNet and United Cities and Local Governments (UCLG).

Kuala Lumpur Low Carbon Society Blueprint 2030 containing 245 programmes or actions, proposes a 'low carbon' approach to city planning and development for Kuala Lumpur. It identified an interim goal of 70% reduction in carbon emissions intensity per unit Gross Domestic Product (GDP) by the year 2030, using a base year of 2010. Kuala Lumpur has raised the bar in taking affirmative action towards achieving its carbon neutrality goal with develop the Kuala Lumpur Climate Action Plan 2050. This plan is a continuum to the preceding work that Kuala Lumpur City Hall has developed and will continue to develop, even beyond the implementation of the climate action programme.

Kuala Lumpur aspires to achieve carbon neutrality by 2050 through the transition into a low-carbon, sustainable and climate resilient future. This will require serious and concerted efforts across the industry, economy, and society. Kuala Lumpur will pursue its efforts to maximise the potential emission reductions from all sectors. Therefore, there are some of the core considerations that gave birth to the Wangsa Maju Carbon Neutral Growth Centre. The Centre will be a pioneering, innovative and forward-looking carbon neutral urban experiment showcasing accelerated implementation of carbon neutral projects that significantly cut greenhouse gas emissions. The exemplary work at these area will serve as a source of inspiration, motivation and lessons-to-be-learnt for cities in Malaysia and other developing countries, to materialise their climate and sustainability ambitions.

This project focusing on immediate implementation of projects in the proposed Wangsa Maju Carbon Neutral Growth Centre, through the Wangsa Maju Carbon Neutral Growth Centre 2050 Action Plan. To that end, this project will be guided by four key principles :

1. Going beyond policies into real implementation of projects that will socially and economically benefit the community and result in direct and indirect cuts in greenhouse gas emissions;
2. Adoption of a focused acceleration strategy to judiciously channel limited resources for effective implementation of projects in the proposed growth centre;
3. Integrative approach that balances emissions cut, community needs and continuous economic growth towards the creation of a prosperous carbon neutral society; and
4. Replicability and up-scalability of project implementation to the other KL strategic zones and growth centres.



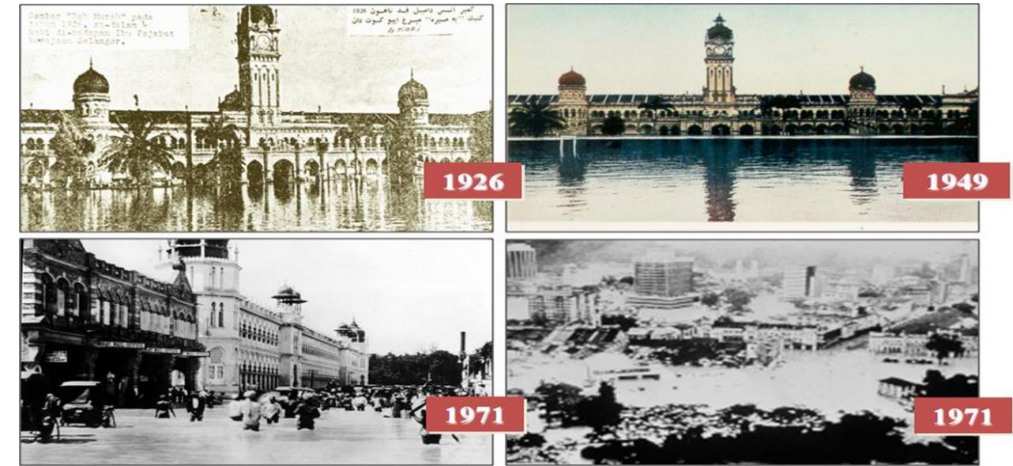


3.
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PROJECT BACKGROUND

The climate crisis is one of the most pressing issues of our time, with global warming generating profound adverse impacts on our planet and its inhabitants. In the face of this crisis, Malaysia remains steadfast in its commitment to combatting climate change by ratifying the Paris Agreement and working towards limiting the earth's temperature increase to under 1.5°C and enhancing the adaptive capacity and resilience against an inevitable changing climate. In Malaysia, the impacts of climate change affect our everyday lives. This is likely to lead to irreversible social, environmental and economic consequences if no further action is taken. Temperatures in major Malaysian cities have continued to rise over the past decade, which has also led to changes in rainfall patterns, escalating the urgency for bold action. Kuala Lumpur-Malaysia's capital and most populous city-is central to national efforts to mitigating the effects of climate change.

Kuala Lumpur is well planned and positioned with respect to transitioning into carbon neutrality by 2050 and becoming a leading city that will inspire other Malaysian and developing Asian cities to achieve the same ambition. It started with the formulation and official adoption of the Kuala Lumpur Low Carbon Society Blueprint 2030 (KLLCSB2030) by Kuala Lumpur City Hall in 2018.



Source : Kajian Pelan Induk Rancangan Tebatan Banjir Lembangan Sungai Klang (Inception Report 2021)





Kuala Lumpur is a Federal Territory and the economic capital of Malaysia. It is the largest city in Malaysia, covering an area of 242.2 km² with an estimated population of 1.98 million as of 2030 that is projected to grow to over 2.46 million by 2050. For efficient, effective, and sustainable growth planning, the city is divided into six strategic zones. A key strategic zone that is seeing steady growth and accounting for over 20% of Kuala Lumpur's population is the Wangsa Maju-Maluri Strategic Zone which is in the north-eastern part of the city.

This project, covering an area of 2,649.20 acres and located in the northern part of the Strategic Zone, as a key growth centre. In line with Kuala Lumpur's aspiration of becoming a carbon neutral city by 2050, it is strategic and timely to explore sustainable, innovative, green, and smart growth opportunities to transform the Wangsa Maju Carbon Neutral Growth Centre from its presently largely dormitory function to becoming the first thriving, prosperous, carbon neutral precinct in Malaysia.

The Wangsa Maju Carbon Neutral Growth Centre will play a crucial pioneering role to lead the other five strategic zones of Kuala Lumpur, as well as other Malaysian cities, to progressively transition into carbon neutrality by 2050.



Legend:
 Wangsa Maju CNGC Boundary

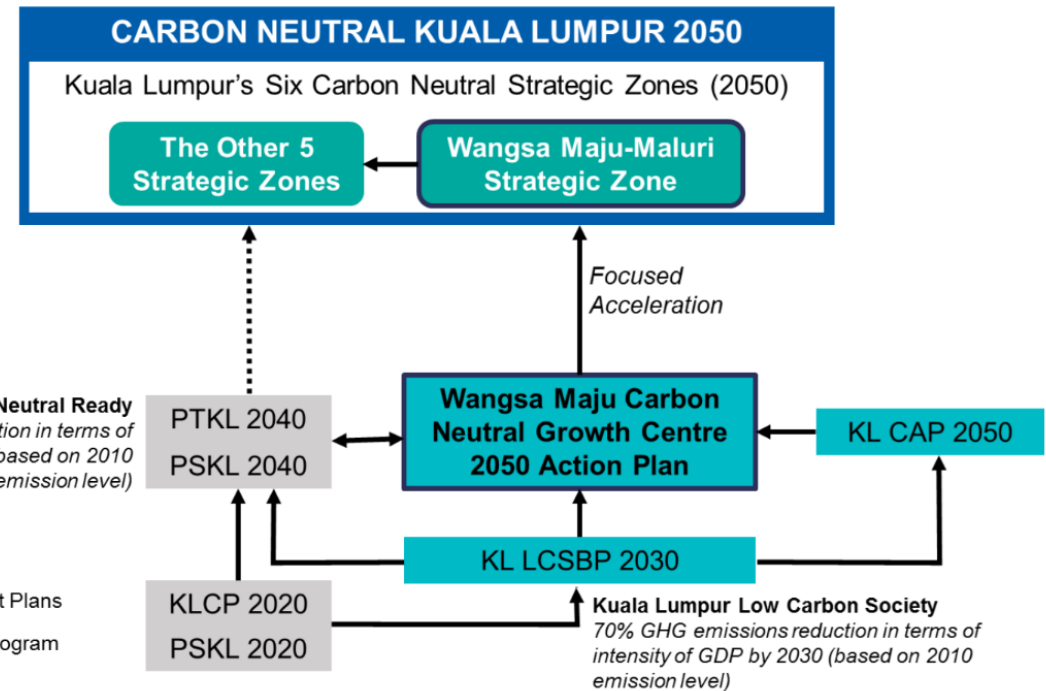




4.
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ADOPTION OF LOW CARBON INITIATIVE

WANGSA MAJU CARBON NEUTRAL GROWTH CENTRE 2050 ACTION PLAN

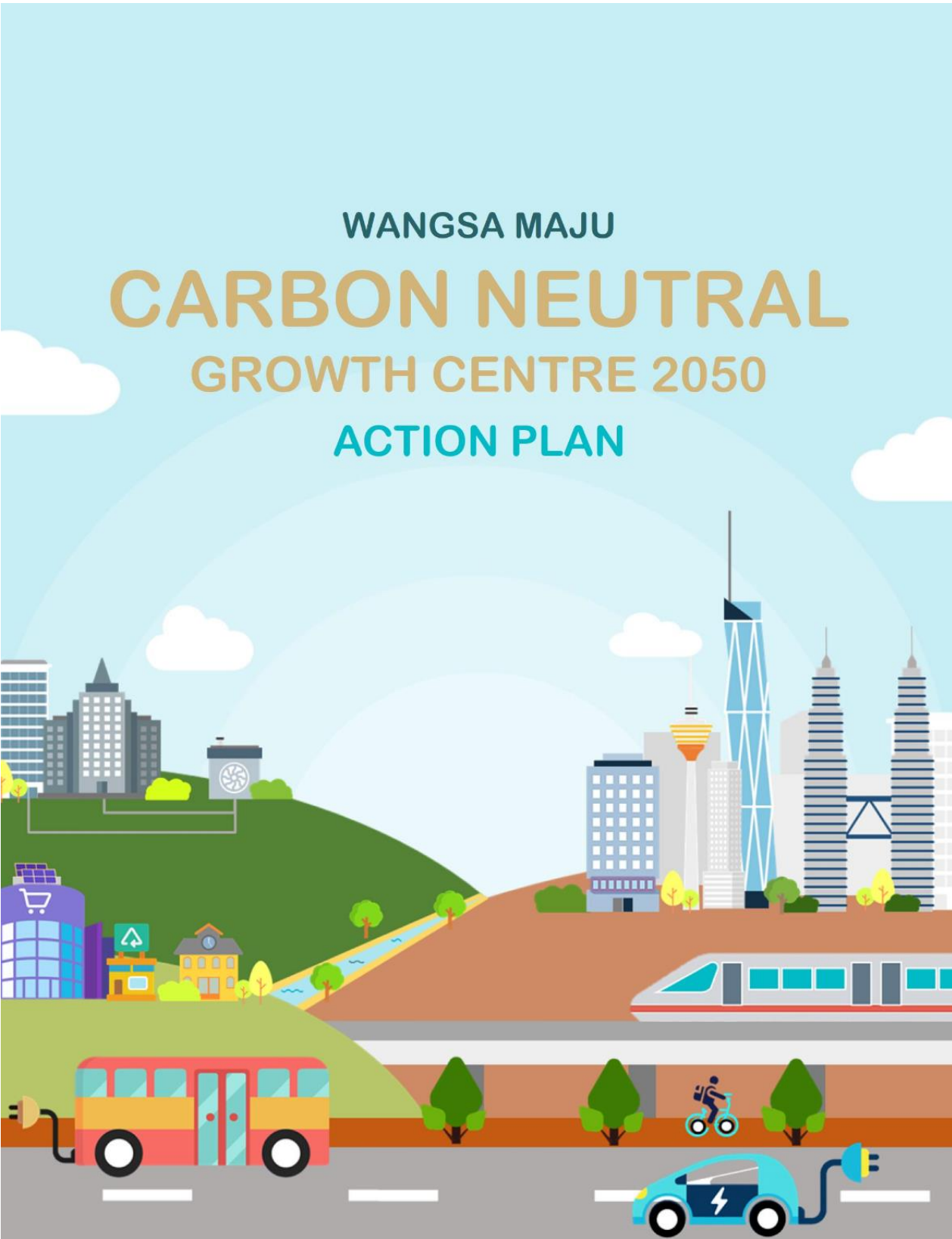


GOAL

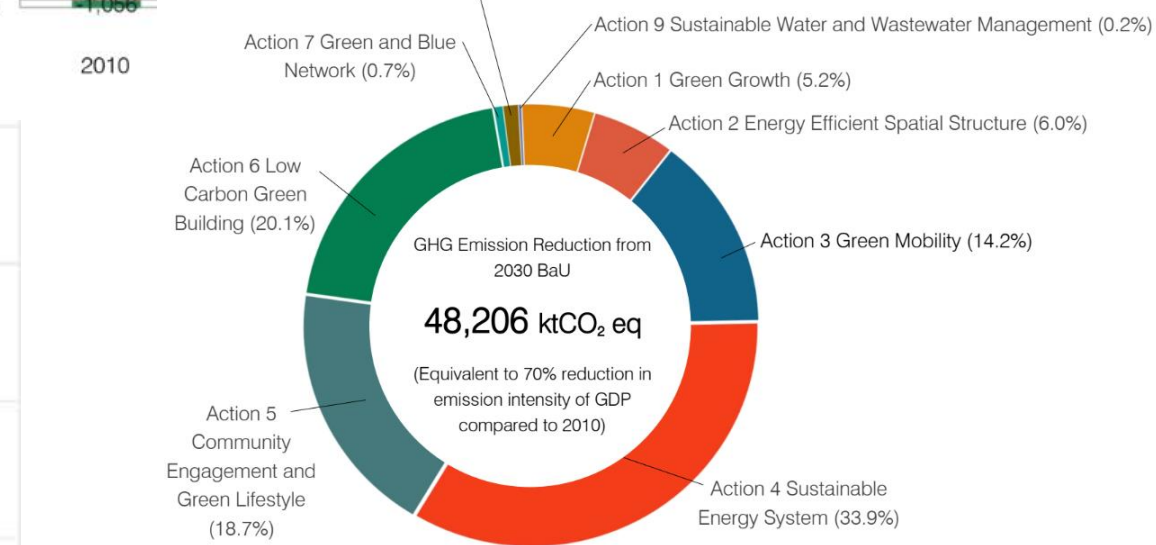
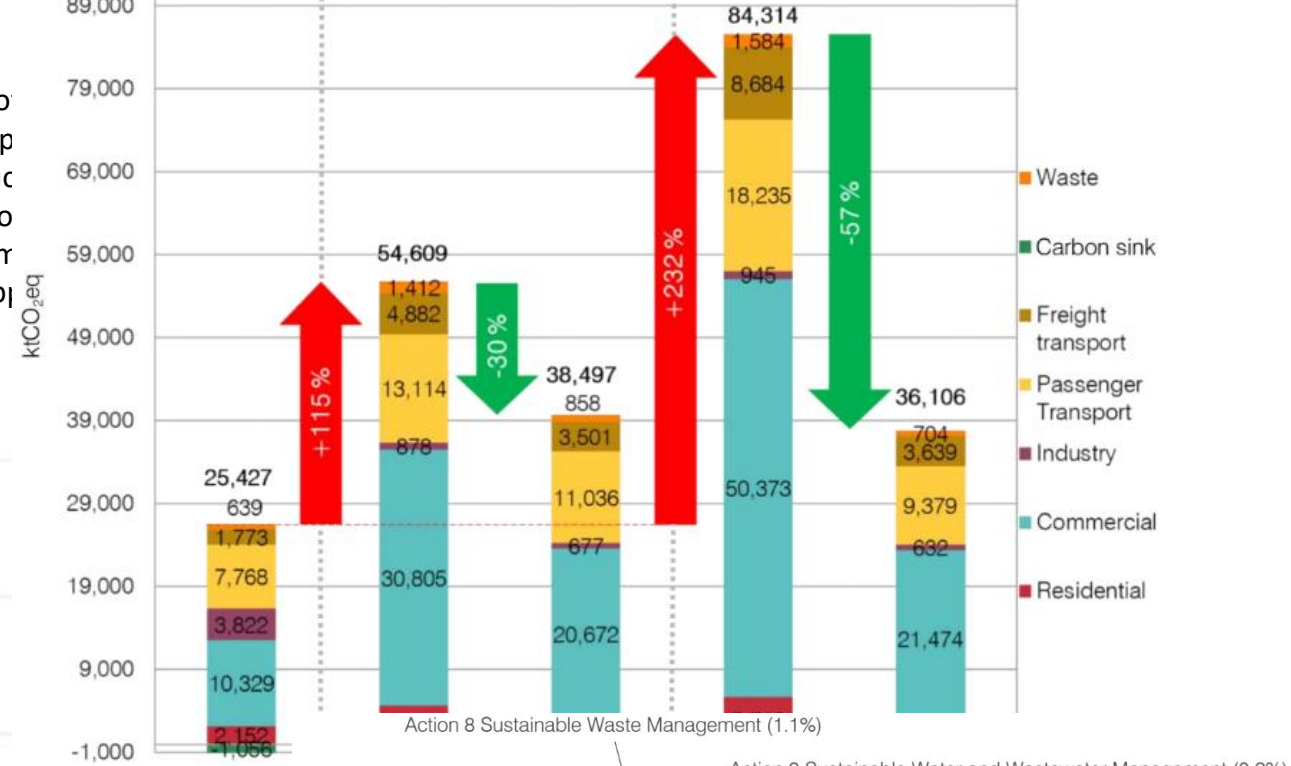
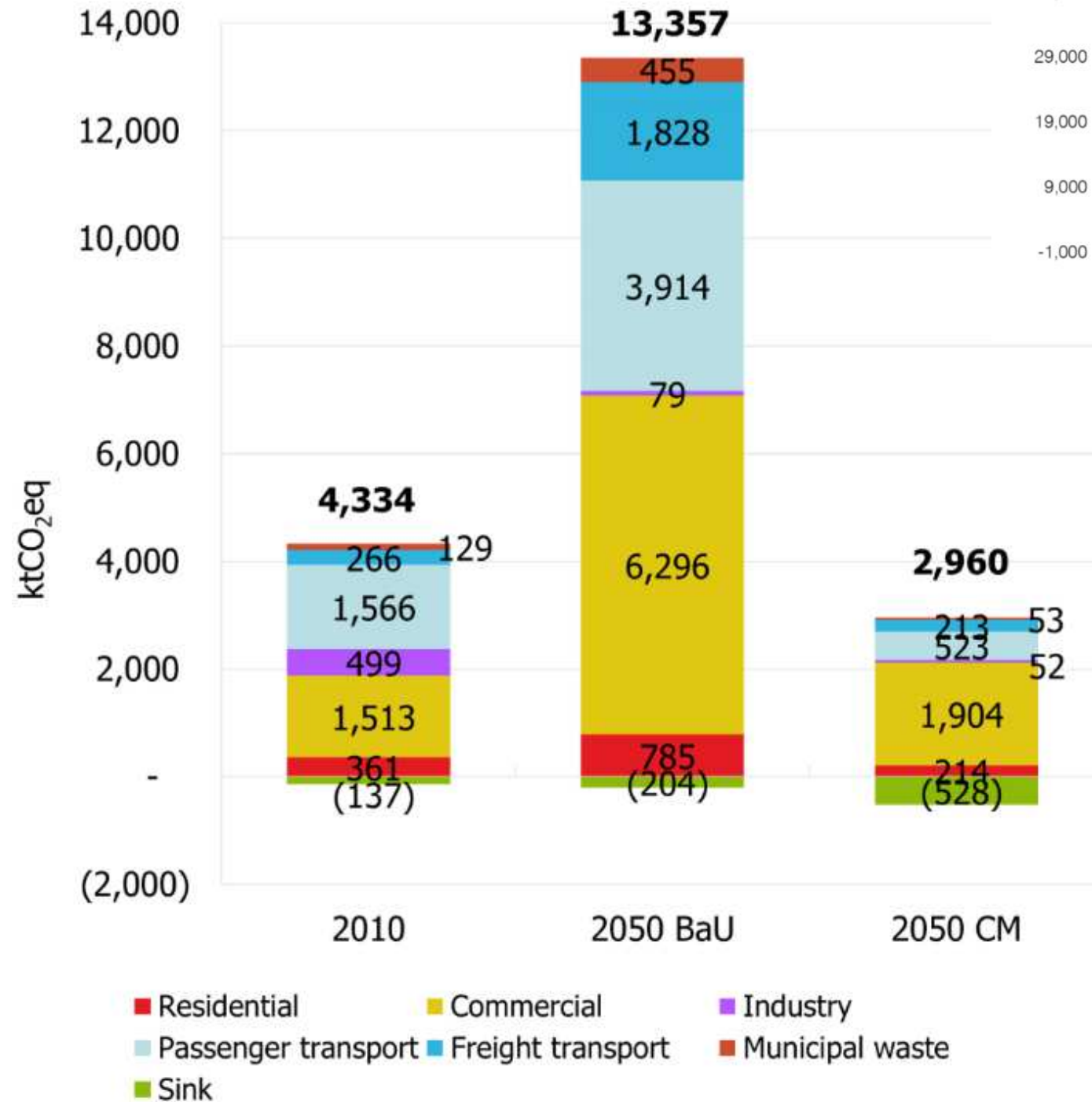
Kuala Lumpur towards becoming a **climate neutral city** by 2050 with Wangsa Maju Growth Centre as the **strategic pioneering case** through systematic and interrelated measures for a **progressive transformation** towards climate neutral urban precinct.

OBJECTIVES

1. To set out **carbon neutral modelling** for Wangsa Maju Carbon Neutral Growth Centre
2. To identify suitable **development concepts and projects** for Wangsa Maju Carbon Neutral Growth Centre that will serve as a **reference for upscaling** best practices to other five strategic zones



The KLLCSB2030 sets Kuala Lumpur on a trajectory to reduce the city's GHG emission intensity of Domestic Product (GDP) by 70% by 2030 based on the 2010 emission level. The KL LCSBP 2030 provides a concrete policy framework to decarbonise the statutory development plans: Kuala Lumpur Structure Plan (PSKL 2020) and Kuala Lumpur City Plan (KLCP 2020). The KLLCSB2030 is also mainstreamed into new statutory development plans: Kuala Lumpur Structure Plan 2040 (PSKL 2040) and Kuala Lumpur City Plan 2040 (PTKL 2040), which will be used as the basis for planning control and development applications for the city for a period of 20 years.



Greenhouse gas (GHG) emissions of the Wangsa Maju-Maluri Strategic Zone are projected to increase from 4,334 ktCO₂eq in 2010 to 13,357 ktCO₂eq under the 2050 business as Usual (BaU) scenario. Preliminary analysis shows a potential for the GHG emissions to decrease to 2,960 ktCO₂eq under the 2050 CM scenario. The GHG emissions from the commercial sector will be about four (4) times the total as compared with year 2010 in the 2050 BaU scenario and the share will be around 47% of total GHG emissions. GHG emissions from passenger transport in 2050 BaU are also found to be almost triple the amount in 2010 and the share will be 29% of the total GHG emissions. This points to huge potentials for reduction in Wangsa Maju's GHG emissions by strategically focusing on carbon neutrality initiatives in the commercial and transportation sectors.



ENERGY SECTOR

- Reduce the **energy consumption** for selected building and KLCH assets
- Identify existing sources for **EE and RE**
- Identify potential location for **district cooling and RE generation**
- Implementing **SARE** (Supply Agreement Renewable Energy), **NEDA** (New Enhanced Dispatch Arrangement), **SELCO** (Self Consumption), **utility regulation, incentive packages and taxes**, encourage investments in efficient services



WASTE SECTOR

- Planning **recycling facilities** for community neighbourhood
- Propose **composting plant** for food court or wet market
- Propose **anaerobic digester plant**



GREEN SECTOR

- Organising **green infrastructure** such as forests, parks, and water bodies as part of an uninterrupted network of green corridors in the city as well as carbon sink
- Carrying out measure for **increasing the greening of the city** (i.e., green roofs, vertical green)
- Promoting **tree planting and replanting** to increase green cover and carbon sequestration



COMMUNITY SECTOR

- Promoting **education and public awareness** campaigns (community and school) on the importance of low carbon lifestyles and the environment
- Promoting **involvement of stakeholders** in the low carbon development and environmental conservation programs
- Introducing **Eco Park** concept (hydroponic, urban farming, lot, PV solar, composting and biogas)

TRANSPORTATION SECTOR

- Planning a **comprehensive network of bicycles route**
- Proposed safe and convenience **cycling and pedestrian infrastructure**
- Enhance the **feeder bus route** and promote **electric buses**
- Improve the LRT station by introduce **Station Area Planning (SAP)**
- Planning comprehensive and accessible **electric vehicles charging station infrastructure**



PERCENTAGE OF LAND USE IN WANGSA MAJU CARBON NEUTRAL GROWTH CENTRE



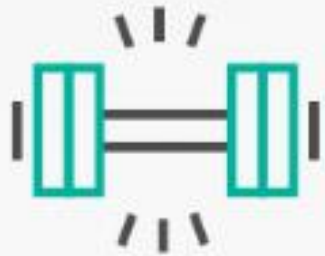
31.53%
Housing



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



0.91%
Industry





5.
0

SUSTAINABILITY APPROACH TOWARDS THE LIFECYCLE OF PROJECT/AREA

In order to become a carbon neutral city by 2050, it is important to ensure the future development of Kuala Lumpur is aligned with the SDGs especially SDG 11 and 13. SDGs underpin the fundamental philosophy for the implementation of the Wangsa Maju Carbon Neutral Growth Centre 2050, and therefore has guided Kuala Lumpur's development up to 2050. It is important to mitigate global peaking of greenhouse gas emissions as soon as possible in order to achieve a climate neutral world by mid-century.



Wangsa Maju earmarked as carbon neutral centre, says DBKL at WCSC 2021

Hannah Rafee / theedgemarkets.com
September 27, 2021 21:49 pm +08



HONOURING MALAYSIA'S
BEST PERFORMING MID-CAP COMPANIES



A view of Wangsa Maju as seen on Dec 9, 2015. (Photo by Shahrin Yahya/The Edge filepix)

PETALING JAYA (Sept 27): The Kuala Lumpur City Hall (DBKL) has several plans in the pipeline, and has earmarked Wangsa Maju as a future carbon neutral centre at the 12th edition of the World Class Sustainable Cities (WCSC) 2021 on Monday.

During the second keynote speech titled "Carbon Neutral 2050", the mayor of Kuala Lumpur Datuk Seri Mahadi Che Ngah said: "The widespread use of vehicles is also one of the main contributors of GreenHouse gasses (GHG), particularly in urban, populated Kuala Lumpur. Acknowledging the fact, we have earmarked Wangsa Maju for our pilot, carbon neutral, growth centre project.



"The widespread use of vehicles is also one of the main contributors of GreenHouse gasses (GHG), particularly in urban, populated Kuala Lumpur. Acknowledging the fact, we have earmarked Wangsa Maju for our pilot, carbon neutral, growth centre project" — the mayor of Kuala Lumpur Datuk Seri Mahadi Che Ngah

"This project spans 11 sq km. Located at the northeast end of Kuala Lumpur, this project will promote the use of public transportation and electric vehicles. In line with our goals, we will enhance feeder bus routes to ease mobility and convenience for the public. Additionally, a free electric bus service, Go KL City Bus, will be made available by the end of the year. With these steps in place, the project in Wangsa Maju will undoubtedly be a thriving, prosperous and liveable centre," he said.







6.0

One of the best methods to engage with community is through their resident association. Instead of creating a new community specifically for carbon neutrality agenda, transforming the existing resident association into carbon neutral community is more efficient. Creating a carbon neutral community is important to ensure sustainable implementation of carbon neutrality programs. With the cooperation from the resident association, it is easier to influence the community to participate in planned activities, and develop community of practice. To ensure that WPKL will lead and be the first carbon neutral zone in Malaysia, it is important to leverage the school community through a strategic effort.

INITIATIVE BENEFIT WIDER COMMUNITY

Turning Wangsa Maju green



By Datuk Yong Soo Heong - May 29, 2021 @ 12:44am



View of the DBKL headquarters in KL. -- KL Mayor Datuk Seri Mahadi Che Ngah says Wangsa Maju was chosen because of its visibility as one of the largest and well-planned townships. -- NSTP File Pix

Action plan to make Kuala Lumpur carbon neutral city - Shahidan

12-08-2021 05:25 PM

12 Shares



The DBKL building shows an awareness advertisement about the covid 19 virus which is spreading and cases are increasing in Malaysia during the second day of the Full Movement Control Order (MCO) in Kuala Lumpur, Malaysia. Malls and most businesses in Malaysia shuttered Tuesday as the country began its second near-total coronavirus lockdown to tackle a worsening pandemic that has put its healthcare system on the verge of collapse. Adib Rawi Yahya/THESUNpix



KUALA LUMPUR: The Kuala Lumpur Climate Action Plan 2050 has been developed to achieve the mission of carbon-neutral city by 2050 in line with the vision as a world standard city, liveable, sustainable and resilient.

Federal Territories Minister, Datuk Seri Dr Shahidan Kassim said the Kuala Lumpur Climate Action Plan comprises five main strategies namely Mobility and Infrastructure Strategy, Green Adaptation City Strategy, Energy Efficient and Climate Resistant Building Strategy, Smart Waste Management Strategy as well as Disaster Management Strategy.

However, based on the studies, schools can only become carbon neutral zones if there is buy-in from the school management, and support from PPD and JPWPKL, consistent projects and programs for students and teachers, as well as research and recognition.



Wangsa Maju Become Neutral Carbon



Thank You