ROLE OF PLANMalaysia TOWARDS SPURRING LOW CARBON CITY IN MALAYSIA

13th July 2021
Datuk TPr Mohd Faidzal bin Hamzah
Deputy Director General (Planning)
PLANMalaysia
Overview of Land Use and Spatial Planning in Malaysia.

PLANMalaysia Commitment in Low Carbon City Development.

Way Forward of Low Carbon City Planning in Malaysia.
Overview of Land Use and Spatial Planning in Malaysia
PLANMalaysia in BRIEF

- PLANMalaysia (Dept. of Town and Country Planning) is under Ministry of Housing and Local Government.
- A leading agency in spearheading spatial and land use planning matters and practices.
- Plays a role through its functions at three levels of the government: federal, state and local.

NATIONAL DEVELOPMENT PLAN FRAMEWORK

STAGE 1: NATIONAL PLANNING

5 years Malaysia Plan
Medium-term plan to implement development plan program by the government, set macro economic growth targets and provide allocations for public sector development over a 5 year period of plan.

Sectorial Policies/Plan
Policies that have been approved by the Cabinet

STAGE 2: STATE LEVEL

Regional Plan
Planning document that outline spatial development strategies to achieve growth and equal distribution. Involve areas within 2 or more states.

Sectorial Policies/Plan
Policies that have been approved by the State Government.

STRUCTURE PLAN (SP)
Policies and proposals for land development in a state. Provides spatial development guideline and addresses main concerns of the state. Translates NPP policies, regional spatial policies, and proposals for urban and rural development.

STAGE 3: LOCAL LEVEL

LOCAL PLAN (LP)
A more detailed planning control document. Prepared through engagement processes and obtaining land use approvals from Local Planning Authority, local residents and land owners

SPECIAL AREA PLAN (SAP)
A plan providing detailing on the development methods, redevelopment, improvements, conservations or management practices and implementation methods.

NATIONAL PHYSICAL PLAN (NPP)
Formulate strategic spatial planning policies of the nation and implementation actions to provide direction for land development and land conservation.
PLANMalaysia Commitment in the Development of the Low Carbon City
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**MALAYSIA COMMITMENT TOWARDS LOW CARBON CITIES**

- National Land Public Transport Master Plan
- Smart City Framework
- National Policy on Environment
- National Policy on Climate Change
- National Green Technology Policy
- Low Carbon Cities Framework (LCCF)
- National Low Carbon Cities Masterplan (Draft)
- Iskandar Regional Development Authority (IRDA): Low Carbon Society Blueprint for Iskandar Malaysia 2025
- COP 21 Paris Agreement
- National Physical Plan 3
- National Urbanisation Policy 2
- National Rural Planning Plan 2030

**Selangor Structure Plan 2035**

**Johor Structure Plan 2030**

**Muar Local Plan 2030 (Replacement)**

**MALAYSIA COMMITMENT TOWARDS LOW CARBON CITIES**

**Sustainable Development Goals (SDGs)**

**New Urban Agenda (NUA)**

**GLOBAL**

**National Communication**

**COP 21 Paris Agreement**

**NATIONAL**

**Five Year Malaysia Plan; Shared Prosperity Vision 2030; National Solid Waste Management Policy 2016; National Forestry Policy, 1978 (Revised 1992); National Landscape Policy; National Agro Food Policy (NAP); National Policy On Biological Diversity 2016-2025; National Land Public Transport Master Plan; Smart City Framework**

**REGIONAL/STATES**

**SMART SELANGOR; Penang 2030; Johor Sustainable Development Plan 2030**

**LOCAL**

**Towards Putrajaya Green City 2025; MBPJ Low Carbon City Action Plan 2015- 2030; Kuala Lumpur, Low Carbon Society Blueprint 2030; Hang Tuah Jaya Green City Plan; Low Carbon Society Blueprint for Iskandar Malaysia 2025; Cyberjaya Smart & Low Carbon City Action Plan; Shah Alam Low Carbon City Action Plan; Ampang Jaya Low Carbon City Action Plan 2017- 2022; Making Melaka Green, Sustainable City; Low Carbon Island Model Langkawi First Low Carbon Island; Seberang Perai City Council Low Carbon Projects and Programmes; Bandar Baru Bangi Low Carbon City Action Plan 2035 (Draft)**
NATIONAL PHYSICAL PLAN

NPP-3 emphasis on sustainable development and planning as a key principle in achieving a resilient and liveable nation in 2040. The physical and spatial planning will lead to the inclusion of the main focus of Growth, Resiliency, Liveability and Sustainability.

GOAL
Achieving a resilient and liveable nation

Thrust 2 : Spatial Sustainability And Climate Change Resiliency

SR3: Sustainable infrastructure and low carbon cities
SR3.1 : Creating Cities and Low Carbon Development
SR3.2 : Realizing the Use of Sustainable Energy Sources
SR3.4 : Developing Low Carbon Mobility
SR3.5 : Strengthen Integrated and Sustainable Solid Waste Management
The NUP will guide and coordinate the planning and urban development of the country to be more efficient and systematic.

NUP-2 : Principle 5- Green Development

Objective 5.1: Application of green elements in urban development

Objective 5.2: More efficient and sustainable use of energy

Objective 5.6: Increase the size and quality of green areas
Milestone of PLANMalaysia’s Involvement in Low Carbon City Development

Implementation Guide Of Green Neighbourhood Development Initiatives (2012)

- Bicycle Lane
- Pedestrian Walk Way
- Community Garden
- RHW
- Composting

- CFS I: Masterplan for Ecological Linkages
- National Physical Plan 3
- National Urbanisation Policy
- National Rural Physical Planning Plan 2030
- Draft Muar Local Plan 2030 (Replacement)
- National Physical Plan 4
- Low Carbon City Planning Guideline
INCORPORATING LOW CARBON STRATEGIES THROUGH PLANNING GUIDELINES

- Green Neighbourhood Planning Guideline
- Healthy Walkable City Planning Guideline
- Transit Oriented Development Planning Guideline
- Brownfield Redevelopment Planning Guideline
- Conservation And Development Of Environmentally Sensitive Areas Planning Guideline
- Disaster Resilient Cities in Malaysia Planning Guideline
The Way Forward for Low Carbon City Planning in Malaysia.
PLANNING: BEYOND COVENTIONAL
Strategies In Facing The Challenges Of Changing Climate

MITIGATION
Reduce GHG emission

keyword: low carbon

ADAPTATION
The process of adapting to climate change and climate impacts

keyword: climate resilience
PLANNING: BEYOND CONVENTIONAL
Strategies In Facing The Challenges Of Changing Climate

EXAMPLES OF MITIGATION AND ADAPTATION

MITIGATION
- Sustainable Transportation
- Renewable Energy
- Efficiency Energy

ADAPTATION
- Flood Management
- Infrastructure Upgrades
- Disaster Management

MITIGATION + ADAPTATION
- Urban Forest
- Water Saving
- Community Garden
- Green Building
PLANNING: BEYOND COVENITIONAL
SMART CITY INITIATIVE

SMART ENVIRONMENT

S1 – Green Area Maintenance
S2 – Sustainable Solid Waste Management
S3 – Air Quality
S4 – Water Quality
S5 – Disaster Management
S6 – NRW
S7 – Energy Efficiency & Renewable Energy
S8 – Low Carbon City

INITIATIVES

Tree inventory system and tree planting program
Intelligent solid waste segregation and management and Waste to Energy
Increase the use of public transport, save energy and monitor air and water quality
Promote the development of energy efficient, smart meters and the use of solar energy
Encourage & enhance urban and low carbon community initiatives

7 SMART CITY COMPONENTS

SMART ENVIRONMENT
SMART LIVING
SMART PEOPLE
SMART ECONOMY
SMART DIGITAL INFRA
SMART MOBILITY
SMART GOVERNMENT
continue to strengthen the role of town planning in developing low carbon cities
THANK YOU FOR YOUR KIND ATTENTION