

Background:

- To further promote green technology activities in Malaysia, the Prime Minister, in the 2010 Budget Speech has announced to develop Putrajaya and Cyberjaya as pioneer townships in Green Technology as a showcase for the development of other townships.

Definition:

- Cities with programs and initiatives to conserve the natural environment and resources which serve to minimize and reduce the negative impact of human activities onto the environment.

Our Aims:

- to minimise negative environmental impacts and degradation.
- to encourage human interaction back with nature.
- to reduce the carbon emission from human activities.

What have been done so far?

- Putrajaya is a planned city and its development is based on the 'City in the Garden' concept. Sustainable development has always been in the core of the concept, as such, "green city" has always been ingrained in its development right from its inception stage. Initiatives in transforming Putrajaya into a Green City can be identified in seven focus areas:

PLANNING, URBAN DESIGN & BUILDING



- Planning principles that contributes towards reduction of carbon emission;
- Innovative reuse of local resources for construction;
- Green Building Design.

INTEGRATING NATURE INTO THE URBAN FABRIC



- Land use planning of open spaces (40% designated as parks & open space);
- Creation of lakes and wetlands;
- Greening of Putrajaya through tree planting programme



Integrating nature into the urban fabric

TRANSPORTATION & MOBILITY



- Integrated planning of transportation network with the rail based transport as the back bone supported by park & ride facilities;
- Provision of environmental friendly public buses (NGV NADI PUTRA buses);
- Extensive networks of pedestrian walkways & cycleways.



ENERGY USAGE



- Encouraging the use of Solar Photovoltaics for power generation



Solar Photovoltaics for power generation at PPj Complex



WATER USAGE

- City wide rain water harvesting;
- Centralised sewerage treatment plant (STP).



SOLID WASTE MANAGEMENT

- Provision of 3R facilities;
- food & green waste composting;
- waste separation at source.
- innovative reuse of waste



CITY ADMINISTRATION & MANAGEMENT



- Extensive use of online services to reduce usage of paper and the need to travel.

Awards & Recognitions:

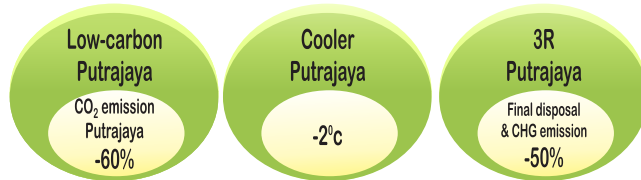
Putrajaya's collaborative efforts in the implementation of these initiatives have received various awards & recognitions:

- Sustainable City Status in the Malaysian Urban Indicator Programme (MURNInet) 2010
- Asean Environmentally Sustainable City Award 2011
- Putrajaya Lake & Wetlands as Ecohydrological Operational Site by UNESCO-IHP - 2011
- Excellence Award for Taman Wetland Putrajaya in the Green City Category by Institute of Landscape Architects Malaysia - 2011
- Greenbuild Asia Expo 2012 - Best @show Award: Best New Product (Green City Planning)

Our Future Plan

Putrajaya Green City 2025 (PGC2025): baseline and preliminary study

- Putrajaya has taken the next step forward towards realising three quantitative environmental targets that have been set by 2025:



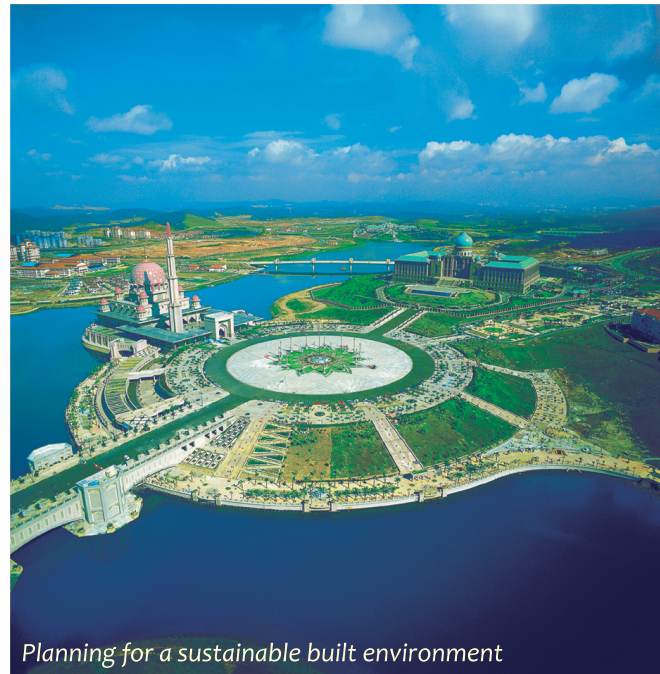
- PGC2025 is a collaborative study by a research team formed between University Technology Malaysia, Kyoto University, Okayama University, National Institute for Environmental Studies, Asia Pacific Integrated Model Team, Putrajaya Corporation and Malaysia Green Technology Corporation.
- This study outlines the Low Carbon Scenario and the pathway of Putrajaya until 2025 based on quantitative integrated modelling of the future society, economy and environment.
- A dozen actions were proposed in the study:

No.	Action	Environmental targets
1.	Integrated City Planning & Management	Low Carbon Putrajaya
2.	Low Carbon Transportation	
3.	Cutting Edge Sustainable Buildings	
4.	Low Carbon Lifestyle	
5.	More and More Renewable Energy	
6.	The Green Lung of Putrajaya	
7.	Cooler Urban Structure and Buildings	Cooler Putrajaya
8.	Community & Individual Actions to Reduce Urban Temperature	
9.	Use Less Consume Less	3R Putrajaya
10.	Think Before You Throw	
11.	Integrated Waste Treatment	
12.	Green Incentives & Capacity Building	Cross category

The preliminary baseline study provides the direction for the preparation of the Putrajaya Green City Action Plan.

Way Forward

- Putrajaya as a planned city has all the prerequisites to become a pioneer green city in Malaysia.
- Collectively, all stakeholders in Putrajaya including government agencies, private businesses, the community as a whole and individuals has a role to play towards realising Putrajaya as a Sustainable Low Carbon Green City. Together, we can make a difference.



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Putrajaya

Sustainable Low Carbon Green City 2025



1st Edition