Putrajaya Sustainable Low Carbon Green City 2025



Focus Area

1. Planning, building and urban design



2. Integration of nature into the urban fabric



3. Energy



4. Water



5. Transportation & mobility



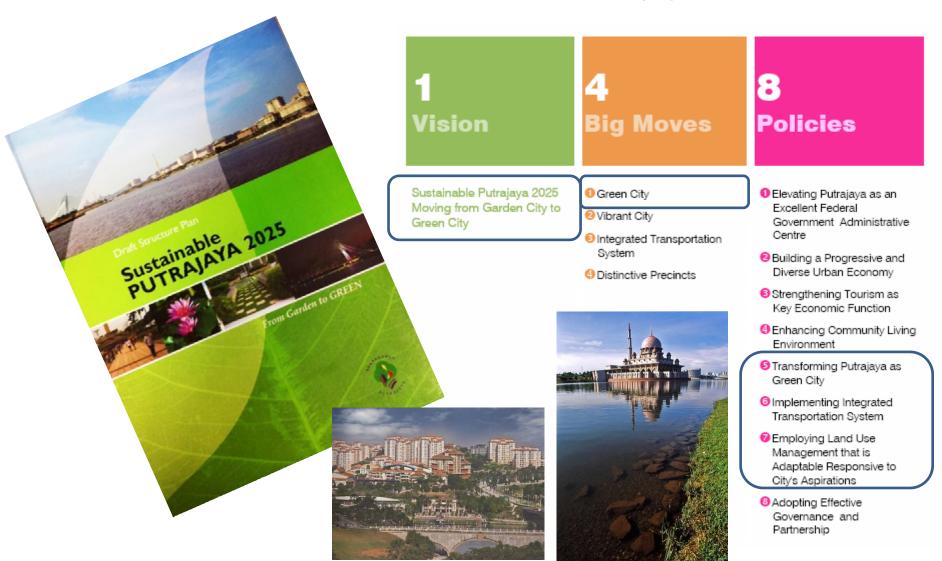
6. Solid waste management



7. City administration & management



Putrajaya Sustainable Low Carbon Green City 2025 Structure Plan : Sustainable Putrajaya 2025



Putrajaya Sustainable Low Carbon Green City 2025

Putrajaya Green City 2025 : Baseline & Preliminary Study (PGC2025)

 Cooperation between PPj, Universiti Teknologi Malaysia (UTM), Kyoto University, Okayama University, National Institute of Environmental Studies (NIES) & Malaysia Green Technology Corporation (MGTC).

3 main environmental targets:

Low-carbon Putrajaya

CO, emission

- Low carbon Putrajaya: reduce CO₂ emission intensity by 60%.
- Cooler Putrajaya: reduce peak temperature by 2 degree Celcius
- 3R Putrajaya: reduce final disposal of solid waste & CO₂ per waste generation by 50%

Cooler

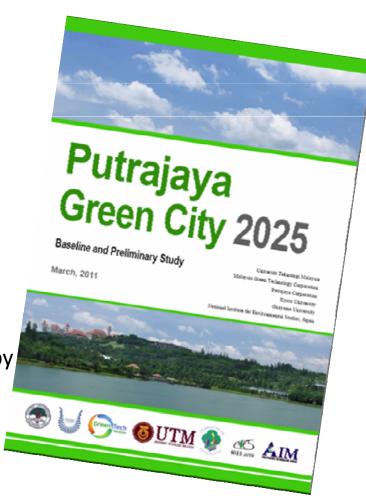
Putrajaya

-2°C



Putrajaya Final disposal

& GHG emission





Planning, regulatory framework & policy

Putrajaya Green City 2025 : Baseline & Preliminary Study (PGC2025) (cont)

- Estimation of GHG emission for the base year 2007
- Estimation of GHG emission in the case of **business** as usual for the year 2025
- Estimation of GHG emission in the case introduction of **countermeasures for the** year 2025

Based on the analysis/measurement above, **12 actions** has been suggested as below:

No.	Action	Environmental	GHG emission
		targets	reduction (%)
1.	Integrated City Planning & Management		15.5
2.	Low Carbon Transportation	Low Carbon	29.0
3.	Cutting Edge Sustainable Buildings	Putrajaya	33.2
4.	Low Carbon Lifestyle		3.5
5.	More and More Renewable Energy		2.5
6.	The Green Lung of Putrajaya		1.8
7.	Cooler Urban Structure and Buildings		
8.	Community & Individual Actions to Reduce	Cooler Putrajaya	3.2
	Urban Temperature		
9.	Use Less Consume Less		0.2
10.	Think Before You Throw	3R Putrajaya	6.7
11.	Integrated Waste Treatment		4.4
12.	Green Incentives & Capacity Building	Cross Category	-
	Jumlah keseluruhan		100





Putrajaya Sustainable Low Carbon Green City 2025

Putrajaya Green City Action Plan Study

- A study under a joint effort project by the Malaysian Government & NEDO
- 4 Roadmaps have been identified under these categories:
 - Building & Energy (13 actions, 29 programmes)
 - Urban Transportation (16 actions, 35 programmes)
 - Waste Management (12 actions, 22 programmes)
 - Urban Environment (5 actions, 7 programmes)

