Land Use Efficiency and Compact City Design in Sustainable Urban Development

Dr. Stefan Al
Associate Professor of Urban Design
The University of Pennsylvania

stefanal@design.upenn.edu
Compact cities vs. Disperse cities

Manhattan, New York

Phoenix, Arizona
Gasoline use per capita vs. Metropolitan density

(Andrew Wright Associates, 1980)
Built Area Atlanta vs Barcelona (same scale)

Atlanta
2.5 million people (1990)
4,280 km² (built area)

Barcelona
2.8 million people (1990)
162 km² (built area)

(Bertaud and Poole, 2007)
Rapid Urban Population Growth

(Untitled Nations, 2010)
The Green Heart, The Netherlands
Marina Bay, Singapore
Masdar City, U.A.E.
Curitiba, Brazil
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