

THE INNOVATIVE METROPOLIS:

FOSTERING ECONOMIC COMPETITIVENESS THROUGH
SUSTAINABLE URBAN DESIGN

MASDAR CITY

HISTORY AND CONTEXT

State/Province: Abu Dhabi

Country: United Arab Emirates

Köppen Classification: Hot Arid

Political Adjacencies: The Middle East and North African Region (MENA)

Land Area: Planned 2.3 square miles

Spatial Adjacencies: Situated at the edge of Abu Dhabi, the capital city of the United Arab Emirates, Masdar City is a planned city being built by the Abu Dhabi Future Energy Company.

Municipality Population: n/a - planned for 45,000 to 50,000

Metropolitan Population: n/a

Population Density: n/a - planned for 22,500/square mile

Racial Distribution: n/a

Language: Arabic

City Inception/Incorporation Date: 2006

Year at which Population Reached 1 Million People: n/a

POLICIES AND ORGANIZATION

Current Strategic Plan: Masdar Master Plan

Link: <http://masdarcity.ae/en/78/master-plan/>

Major Development Distinction: Construction for Masdar City began in 2008 and the first six buildings were completed in October 2010. Phase 1 of the city, to encompass 0.39 square miles, is scheduled to be completed in 2015.

Sustainability Plans: Sustainability and the City

Link: <http://masdarcity.ae/en/30/sustainability-and-the-city/>

ECONOMICS

Largest Industry of Employment: Planned for 1,500 businesses of mainly commercial and manufacturing facilities focused on environmentally friendly products.

Shipping:

Port: n/a

Air: n/a

Fortune 500 Companies: n/a

Contemporary Economic Engines: Masdar Institute of Science and Technology

Major Recent Development: Construction of Phase 2 of the Masdar Institute as well as the Courtyard Building was announced in November 2010 and is scheduled to be completed in 2013.

Regional Economic Partners: Abu Dhabi

ENVIRONMENT

Environmental Agency: n/a

Water

Management: n/a

Source: n/a

Daily Usage: n/a

Per Capita Usage: Planned 180 liters/person/day

Reserves: n/a

Flood/Drought History: Constant state of drought due to climate.

Link: <http://masdarcity.ae/en/61/sustainability-and-the-city/water/>

Waste Management

Waste Management Agency: n/a

Link: <http://masdarcity.ae/en/98/waste-management/>

Waste Production: Expected at 22,000 tonnes/year

Waste Per Capita: n/a

Sewer System Controlling Agency: n/a

Energy

Plan: Renewable Energy

Annual Overall Energy Consumption: n/a

Power Source: Renewable energy with 20% planned to be on site upon completion - a planned 40-60 megawatt PV solar power, wind farms, geothermal as well as plans to host the world's largest hydrogen power plant.

Link: <http://masdarcity.ae/en/60/sustainability-and-the-city/energy-management/>

TRANSPORTATION

Major Airports: n/a

Major Highways and Interstates: n/a

Light Rail: n/a

Bike Plan: n/a

Cars Per 1,000 people: n/a

Public Transportation Options: Electric buses, light rail, and metro are planned.

Link: <http://masdarcity.ae/en/62/sustainability-and-the-city/transportation/>

QUALITY OF LIFE

Median Income: n/a

Minimum Hourly Wage: n/a

Unemployment Percentage: n/a

Average Commute Time: n/a

