Source: Map of Singapore's squatter settlements. After, Frances Loeb Library, Graduate School of Design, Harvard University, Visual Sources.


Urban Redevelopment Authority Singapore.


Source: National Parks Board.

Concept Plan 1971
Source: Government of Singapore. Downloaded from the Urban Redevelopment Authority website.
Singapore's Four National Taps

1. Sea
   - 3 desalination plants

2. Johor River
   - 8 PUB water treatment plants
   - 14 service reservoirs
   - 1.5 million premises directly or through high level tanks

3. 17 Reservoirs
   - Transmission and distribution network (5,400km)
   - Used water network (3,400km of sewers and the Deep Tunnel Sewerage System)

4. 5 NEWater factories
   - 5 service reservoirs
   - 650 accounts
   - 77 pumping installations
   - 4 water reclamation plants
   - Sea

Source: PUB, Singapore's National Water Agency.
Singapore's Water Closed Loop System

Source: PUB, Singapore's National Water Agency.
A Stock Flow Diagram of Singapore’s Expenditure on Electricity & Water by Sector and Land Use (2017). Numbers are estimates, not exact figures.

**Singapore's Water Demand and Supply Strategy, 2015 and 2030**

<table>
<thead>
<tr>
<th>NET VIRTUAL WATER IMPORT (1997-2001)</th>
<th>TOTAL (104 M3/YEAR)</th>
<th>PER CAPITA (L/P/DAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CROP PRODUCTS</td>
<td>2,386</td>
<td>1,634</td>
</tr>
<tr>
<td>LIVESTOCK PRODUCTS</td>
<td>1,461</td>
<td>1,000</td>
</tr>
<tr>
<td>MEDICAL PRODUCTS</td>
<td>7,934</td>
<td>5,435</td>
</tr>
<tr>
<td>TOTAL</td>
<td>11,781</td>
<td>8,069</td>
</tr>
</tbody>
</table>


Diagram of the Berlin Metropolis. [Sketch]


Source:

Source:

Source:
Howard, E. (1902). The Garden City Concept. [Sketch]
United Kingdom: Garden Cities of Tomorrow.
Phase 1 Projects

Source: Ministry of the Environment and Water Resources.

Long Term Projects

Source: Jimmy Tan.

The Population of Singapore, 1826-2017*

* Differential recent rates of growth due to immigration of non-resident population.

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Population</th>
<th>Non-Resident Population</th>
<th>Non-Resident %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>4,027,887</td>
<td>745,524</td>
<td>18.7</td>
</tr>
<tr>
<td>2010</td>
<td>5,076,732</td>
<td>1,305,011</td>
<td>25.7</td>
</tr>
<tr>
<td>2015</td>
<td>5,540,000</td>
<td>1,600,000</td>
<td>28.9</td>
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<tr>
<td>2030</td>
<td>6,700,000</td>
<td>3,015,000</td>
<td>45.0</td>
</tr>
</tbody>
</table>

ECONOMIC INTENSITY OF SINGAPORE AMONG SELECTED CITIES IN 2013