

Taking Stock of SSB 2009

Progress of SSB 2009 Recommendations

<u>2009 SSB Recommendations</u>	<u>Status</u>
Live - A Sustainable Way of Life	
Reduce the daily per capita water consumption to 147L by 2020	On track.
Achieve an overall recycling rate of 65% by 2020	On track.
Introduce minimum energy performance standards by 2011 and set minimum water efficiency standards from 2009	Completed.
Establish a Green Mark GFA Incentive Scheme	Completed.
Establish a \$100mil Green Mark Incentive Scheme for existing buildings to undergo energy efficiency retrofitting	Completed.
Implement a large-scale solar test-bed for public housing spanning 30 precincts islandwide	Completed.
New public sector buildings with 5,000 sqm of air-conditioned floor area to achieve Green Mark Platinum rating	On-going.
Reduce energy consumption in the common areas of new estates and mature HDB estates by 20% and 30% respectively	On-going.
Develop a new generation of environment-friendly housing districts along the Punggol	On-going.
Step up public education, cleaning and enforcement	On-going.
Commute - Cleaner, Greener and More Convenient Travel	
Achieve a modal share of 70% of journeys made during morning peak hours via public transport by 2020	On track.
Reduce PM2.5 level from 16µg/m ³ in 2008 to 12µg/m ³ by 2020	On track.
Manage the growth of private transport, by halving the annual vehicle population growth rate to 1.5%, refining our Electronic Road Pricing system, and improving schemes (e.g. Off-Peak Car scheme and Park and Ride scheme) to reduce car usage	Completed.
Improve the energy and fuel efficiency of both private and public transport, by implementing a mandatory Fuel Economy Labelling Scheme for passenger cars and light goods vehicles from April 2009, test-bedding new technologies such as diesel hybrid buses, and developing a Green Framework for rail systems	Completed.
Establish a vehicle emission test laboratory	Completed.

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Encourage cycling and walking with investments in infrastructure such as covered linkways, cycling paths and parking facilities for cyclists at MRT stations	On-going.
Play - A City of Gardens and Water	
Add 30ha of skyrise greenery by 2020	Exceeded.
Open up 820ha of reservoirs and 90km of waterways for recreational activities by 2020	Exceeded.
Increase the amount of green park space by 900ha by 2020	On track.
Triple the length of park connectors from 100 to 360km by 2020 and developing new leisure options around green spaces	On track.
Introduce various initiatives to promote skyrise greenery	Completed.
Implement a National Biodiversity Strategy and Action Plan to research, document and conserve biodiversity in Singapore	Completed.
Develop a City Biodiversity Index with international partners to promote biodiversity conservation efforts among cities globally	Completed.
Work - Resource-Efficient Industries for Sustainable Growth	
Cap ambient SO ₂ levels at annual mean of 15micrograms/m ³ by 2020 and maintain till 2030	On track.
Establish a national Energy Efficiency Circle Programme to promote a culture of sustained energy efficiency improvement	Completed.
Expand NEWater infrastructure and promote water efficiency to support future industry needs	Completed.
Introduce accreditation system for companies that recycle construction and demolition waste	Completed.
Extend the Singapore Packaging Agreement beyond the food and beverage industry	Completed.
Set standards for recycled products to increase their uptake	Completed.
Promote Clean Technology and Sustainable Urban Solutions as new economic growth sectors, in tandem with our sustainable development efforts	On-going.
Develop a 55ha CleanTech Park at Jalan Bahar as a platform for test-bedding clean technologies	On-going.
Promote more energy-efficient technologies and systems, such as co-generation and tri-generation within power generation plants and industrial facilities, and green data centres	On-going.
Facilitate energy-related benchmarking for key industrial sectors	On-going.
Capability Development - A Living Lab for Innovations	
Conduct research to improve Singapore's effectiveness in maximising our sources of water, as well as increase the	On-going.

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energy efficiency of water treatment	
Establish a new \$5 million incentive scheme to develop prototype building designs that achieve at least 50% improvement in energy efficiency	On-going.
Develop Marina Bay and Jurong Lake District as our new generation of sustainable high-density districts	On-going.
Establish a five-year research program to adapt water sensitive urban design concepts and technologies to local use	On-going.
Invest in R&D and manpower in clean energy and water technologies	On-going.
Expand R&D in other clean environment technology areas such as waste management	On-going.
Promote international exchange of ideas in sustainable development	On-going.
Contribute Singapore's expertise to help build environmentally sustainable cities across the world	On-going.
Community - Acting Together for a Sustainable Singapore	
The government will make available funding to support the work of NGOs and facilitate more networking among NGOs	On-going.
The Community Development Councils will promote environmental awareness and action to more than 2 million people through programmes under their local district plans	On-going.
The government will use a \$1.5 million 3P Partnership Fund to assist organisations from across the people, public and private sectors to realise worthy ideas on environmental sustainability	On-going.
Schools will step up their efforts in promoting environmental education	On-going.
Public sector will adopt more environmental sustainability practices both as a consumer of goods and services and as a responsible employer	On-going.

Progress towards SSB 2009 Targets

	2008	2013	2020 Target	2030 Target
Green and Blue Spaces¹				
Amount of skyrise greenery	10 ha (2009)	61 ha	30 ha	50 ha
Amount of green space	3,602 ha (2009)	4,040 ha	4,200 ha	Park Provision Ratio of 0.8 ha per 1,000 population
Length of park connectors	113 km (2009)	216 km	360 km	-
Amount of water bodies open for recreational activity	650 ha (2009)	959 ha	820 ha	900 ha
Length of waterways open for recreational activity	71 km (2009)	93 km	90 km	100 km
Energy Consumption²				
Energy consumption per \$ GDP, improvement from 2005	15%	22% (2012)	20%	35%
Water Consumption				
Domestic water consumption per capita per day	156L	151L	147L	140L
Recycling				
National Recycling Rate	56%	61%	65%	70%
Air Quality				
Ambient annual mean of PM2.5	15 µg/m ³	20 µg/m ³	12 µg/m ³	
Ambient annual mean of SO ₂	11 µg/m ³	14 µg/m ³	15 µg/m ³	

¹ 2008 figures for several Green and Blue Spaces indicators are not available.
² The 2013 figure for % energy consumption per dollar GDP improvement from 2005 levels will be released in 4th quarter 2014.