



Nuching City

CBS Enhancement Plan





Kuching City
CBS Enhancement Plan



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The Chief Minister



Pehin Sri Haji Abdul Taib Mahmud

Today, the challenges presented by sustainable urban development are immense. Sustainable cities throughout the world are competing for recognition, projecting their own uniqueness in all aspects. Many are looking at ways to improve their infrastructures to become more environmentally friendly, increase the quality of life for their residents, and cut costs at the same time.

Kuching City is no exception. Like any other urban cities in the world, Kuching faces liveability issues and challenges covering Public Transportation, Flood Mitigation, Solid Waste Management, Wastewater Management, Urban Safety and finally, a Balanced-development and Sustainability that meets the needs of the present urban population and at the same time not compromising the ability of future generations to meet their own needs. This scenario challenges DBKU, as the city administrator to innovate and transform itself in managing the city. The introduction of this **CBS ENHANCEMENT PLAN** is timely and I am happy to note that DBKU has taken into consideration all those challenges in this Plan in their effort to make Kuching worthy of its place as a vibrant, liveable city of choice with the engagement of the community.

This Plan is Kuching's environmental blueprint for the future. Its objective is to ensure that Kuching, through sound environmental management, achieves economic development that meets the needs of the present generation without compromising the needs of future generations. It is the first step that will move DBKU towards its vision of environmental sustainability in harmony with the economic and social development, natural harmony, beauty, life quality and health.

I strongly believe the CBS Enhancement Plan, which emphasizes on three important elements i.e. Clean, Beautiful and Safe, and focuses on community engagement, will not only enhance the quality of life of Kuching City but also revive the 'soul' of the city. It is only through the involvement of the people could we make the city vibrant, sustainable and liveable, alive with soul and vigor.

I would like to congratulate **DBKU** in their effort to transform Kuching City into a clean, beautiful and safe city, a City that is home to our diverse ethnic groups and cultures, a City for Tomorrow.



YAB Pehin Sri Haji Abdul Taib Mahmud

Chief Minister of Sarawak

Tan Sri Datuk Amar Haji Mohamad Morshidi bin Abdul Ghani

I would like to congratulate Dewan Bandaraya Kuching Utara (DBKU) for their efforts in coming up with this five years “Clean, Beautiful and Safe (CBS) Enhancement Plan”. The establishment of this plan is a testimony to DBKU’s endless strives in transforming the city towards achieving its vision to make **KUCHING, A VIBRANT LIVEABLE CITY OF CHOICE**.

Kuching City has seen rapid changes not only in its population but also in its physical outlook. The changing urban landscape of the city warrants DBKU to be always alert and to keep abreast with the ever increasing demands of the city dwellers. This CBS Enhancement Plan and its implementation which emphasizes on community engagement will drive Kuching into becoming a clean, beautiful and safe city to live in. Apart from enhancing and sustaining the city development which is the central focus of this plan, it also presents a framework of systematic action plans to make Kuching vibrant and liveable.

Undeniably, the element of clean, beautiful and safe has an impact on the standard of living of the city dwellers. With the dedication and commitment of DBKU as the administrator of the city, the community and all the stakeholders, I am optimistic that this CBS Enhancement Plan will enhance the quality of the life in Kuching.

Thank you.



YB Tan Sri Datuk Amar Haji Mohamad Morshidi bin Abdul Ghani

State Secretary, Sarawak





Datuk Haji Abang Abdul Wahab bin Abang Julai

Kuching North City Hall (DBKU) envisions Kuching to be a **VIBRANT LIVEABLE CITY OF CHOICE**. The City is not only socially and economically vibrant and radiant; attractive, colourful and dynamic; but the people are lively, engaged and healthy. To achieve this, a consolidated corporate plan to encompass all the various efforts and initiatives carried out by DBKU with the citizens' engagement is prepared with the main focus to enhance the strategic alliance between the 3Ps i.e. the Public, Private and People, besides instilling a sense of belonging and responsibility amongst the community towards the environment, in order to ensure sustainability in the city's development.

The CLEAN, BEAUTIFUL AND SAFE (CBS) Enhancement Plan is a five-year plan comprising a conceptual framework to enhance and transform Kuching City as the cleanest, most beautiful, safest and the most-talked about city in Asia by 2017. In this plan, Strategies, Action Plans, Targets and the Key Performance Indicators are laid down to realise our vision. It is hope that with this plan it will lead the city into becoming a 'City With A Soul'.

Together, we can make Kuching a Clean, Beautiful and Safe City.



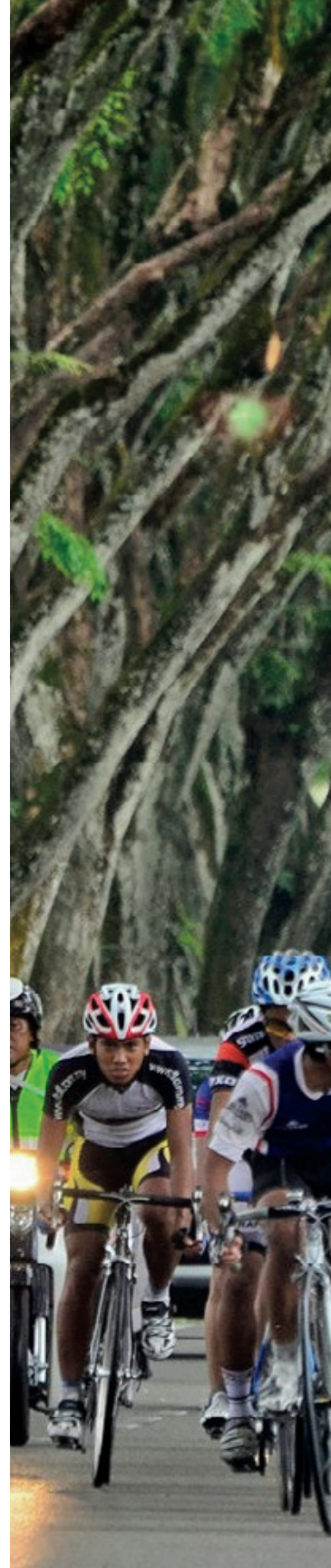
YBhg Datuk Haji Abang Abdul Wahab bin Abang Julai

Mayor of Kuching North

Executive Summary

The elevation of Kuching Municipal Council to a City Council in 1988, demands that certain standards must be attained and sustained befitting of a city. Administratively, Kuching City has been divided into two jurisdictions namely; the City of Kuching North and the City of Kuching South. The northern part of Kuching City is administered by the Commission of the City of Kuching North or *Dewan Bandaraya Kuching Utara* ('DBKU'). The city covers an area of 369.48 square kilometres and has a population of about 200,300 comprising 27 ethnic groups that live together in harmony with unique cultures. DBKU, since its inception, has envisioned a clean, well-planned and cultured City. Towards achieving this, strategic plans are formulated annually serving as road maps to ensure the attaining of its objectives.

This Clean, Beautiful and Safe Enhancement Plan (CBS Plan) is relevant to areas under the jurisdiction of DBKU. It takes an integrated approach in promoting a more sustainable community, recognising that environment, economy, society, and culture are linked. In this CBS Plan, for the next five years, we are going beyond the normal call of duties of sustaining the current standard of a clean city, introducing new creative and innovative approaches and strategies to leapfrog Kuching City into a position as one of the Cleanest, Most Beautiful and Safest Cities in Asia. The plan not only emphasizes the sustainability of DBKU development processes but looks into additional areas of focus such as new inventive approaches, collaborating with strategic partners and empowering the communities to be more environmentally conscious taking personal responsibility for civic commitment.



The three (3) key focus priority areas in the plan are as follows :-

CLEAN CITY

The Clean City concept focuses on optimising usage of the present resources and strategizing new approaches and plans of action to enhance the cleanliness of land, air and water.

The limited availability of land requires us to pursue a 'longer life landfill' objective by minimising waste generated at its source. Towards this end, a city waste recycling programme, with a target to achieve 22 percent recycling by 2017, brings the means for recycling closer to homes and workplaces. In tandem with this, we hope to minimise waste generation from source with the introduction of the EM Bokashi home composting to about 1,000 homes per year. The introduction of the 3R (Recycle, Reuse and Reduce) programme complements our waste management initiatives.

As the standard of living continues to rise, the number of potential polluters - cars, factories, homes and even personal gadgets - will inevitably increase. We are therefore working upstream - promoting greater energy efficiency, cleaner fuel sources and cleaner technology.



BEAUTIFUL CITY

Kuching City is a city of diverse culture and heritage. Endowed by nature, it is the showcase of a unique and beautiful city. As we develop the city, we seek to build a cultured community that lives in harmony with nature by striking a pragmatic balance between development requirements and conserving our built and natural heritage. A multi-pronged approach is taken towards conserving our natural heritage in the context of greening the city. Tree planting programmes are organised and public awareness on care of trees is promoted, and open spaces are developed and maintained for nature reserves, parks and recreational areas.







SAFE CITY

DBKU believes that maintaining clean air, land and water, while important in themselves, are also a mean to a further end - freedom from disease, and the attainment of high standards of public health. We recognised that a safe city concept includes the physical development of the city, ensuring that safety aspects such as designs, construction and the end users are factored in at the planning stage. DBKU will continue to protect public health by further strengthening our disease surveillance systems, food quality control and instilling safety awareness amongst the communities. The “Catch Them Young” programme for schools promotes environmental issues and awareness in which students can participate, in addition to other co-curricular activities.

The CBS Plan outlined herein for the next five years highlights our commitment to ensure Kuching’s sustainability. We take cognition of the 3P’s (People, Private and Public) involvement which is crucial in the creation of a community that is environmentally aware, responsible and self-regulating. Pivotal to our CBS plan is the amicable partnership between government agencies, non-governmental organisations, private organisations, individuals and the community at large. These groups facilitate and foster closer relationships with the civic groups including the media to strengthen and deepen the message of environmental sustainability. If we continue to exercise wise and judicious stewardship of our resources, practice intelligent innovation and forge strategic partnerships, we will prevail over our constraints and limitations. We believe Kuching will continue not only to provide us with good living standards and a quality living environment; it will also endure for a long time into the future.



Clean, Beautiful And Safe Kuching City By 2017

“A road map towards
making Kuching City
the most talked-about
cities in Asia by 2017”

This CBS Plan sets the course toward realising a clean, beautiful, and safe city by 2017. It calls on the citizens to rise to the challenge of transforming the community to create a sustainable urban environment for future generations. Like other cities around the world, DBKU faces challenges that call for decisive actions and innovations, and every resident will play a crucial role in working within the community, to reach these goals.

A growing population, the ever pressing demand for quality services, the unpredictable natural phenomena like climate uncertainty, and scarce resources, are just some of the challenges that now call on the community to work harmoniously to sustain the city as one of the best cities in Asia. DBKU has consistently made choices that challenge the citizens to transform the city into one of the world’s most liveable cities.

There is much to love about Kuching, from magnificent natural surroundings to strong environmental values, from a diverse cultural mix to a vibrant neighbourhood community. This action plan sets out a clear vision, with concrete targets and the steps required in achieving the targets.



VISION

Our vision, a vibrant liveable city of choice, demands a strategy for Kuching to stay on the leading edge of a city's sustainability. The goal is to sustain, enhance and transform the city whilst building a strong bond with the community, creating a vibrant neighbourhood and benchmarking with internationally recognised cities that meet the needs of future generations.

COMMUNITY'S ENGAGEMENT

The city establishes multiple approaches to involve individuals, groups and organisations directly and indirectly in its quest to transform Kuching into a clean, beautiful and safe city. The process of developing and implementing the plan has demonstrated the power of partnerships in transforming the city.



THE PLAN

The Plan is classified into three significant focus areas - clean, beautiful and safe - each with its annual goal working toward the 2017 targets. The targets are very clear, with baseline numbers to indicate our current level of performance. The highest priority actions for the next five years have been identified, as well as strategies that will help to achieve our targets by 2017.

Summaries of each plan are provided including the current status of each target, the priority actions of each plan, and the key strategies to achieve our goals. It also contains some actions that are currently being pursued and enhanced continuously. Although the plan is organised into three goals of the focus areas, the actions work together to form one integrated plan with some elements of it requiring further policy development or additional resources.



OBJECTIVE

This plan is prepared to provide a conceptual framework to transform Kuching City into one of the cleanest, most beautiful, safe, and the most 'talked-about' cities in Asia within the next five years. To achieve this objective, initiatives are to be enhanced and sustained through the integration of community's involvement, environmental design and technological adaptation.

SCOPE

The three significant areas of focus and scope of reference are as follows:-

CLEAN

Plan and implement a comprehensive wastes reduction and public cleansing programme for all city facilities including relevant programmes to significantly reduce greenhouse gas emissions as well as fossil fuel use in city's buildings and vehicles to achieve a low carbon city.



BEAUTIFUL

Plan and implement a programme that supports the conservation and maintenance of aesthetical heritages, development of parks and green areas with recreational facilities and amenities and build up a cultured community.



SAFE

Plan and implement safety policy initiatives in designing, constructing and usage of city's infrastructure; vandalism mitigation programmes; safe food monitoring; and instilling public awareness on safety.



DEFINITION

The definitions of the three significant areas of focus are as follows:-

2 Beautiful

A city transformed by evolution, blending the cityscape with the old and new architecture, providing colourful landscape with extended greenery equipped with good facilities, amenities and well-maintained infrastructure within a cultured community.

1 Clean

A city which is physically clean in its outlook and environmentally sustainable where wastes are managed effectively, availability of green lungs with recreational parks, promotion of usage of green technology and environmental friendly materials.



3 Safe

A city that is free from accident fatalities, vandalism and public property theft, food poisoning, disease occurrences and having safe facilities and amenities. It promotes a healthy and happy living condition.



BASELINE DATA AS AT DECEMBER 2012

No	MAINTENANCE FEATURE	TOTAL INVENTORY
1	Desludging of septic tank	38,193 premise
2	Road Pavement	666.374km
3	Road Markings	67,513.75m ²
4	Road Signs	4,215 nos
5	Road Kerbs	141,489.32km
6	Roadside Footpath	316.048km
7	Concrete Drain	695.440km
8	Back lane Footpaths	99.81km
9	Earth Drain	241.798km
10	Parks	48 nos. (560.99 acres)
11	Street lighting	11,518 units
12	Bus Shed	203
13	Bridges	7
14	OH Bridge	11
15	Traffic Light Junction	37 junctions
16	Pedestrian Crossing	6
17	Bump	160
18	Bicycle Lanes	19.80 km
19	Old shops (CBD Area)	227
20	Heritage Building	34
21	Trees	70,000
22	LA21 Programme	In existence
23	Manhole cover stolen	1,196 cases

No	MAINTENANCE FEATURE	TOTAL INVENTORY
24	SAFE CITY PROGRAMME	
	a) Railing	2,588.2 meter/2.5882 km
	b) CCTV	4 units
	c) Lighting	159 points
	d) Safety mirror	30 units
	e) Bollard	128 units
	f) Motorcycle locked	259 meter (6 locations)
	g) Safety alert signage	6 units (both side) at 6 locations
25	COMMUNITY INITIATIVES	
	a) Rukun Tetangga	52 nos
	b) Skim Rondaan Sukarela	15 nos
	c) Kejiranan Mesra	21 nos
	d) Zone Officer	28
	e) DBKU Ronda	4 team patrolling / daily
26	FOOD SAFETY (as at June)	
	a) Numbers of licence eateries	272
	b) Grade A eateries	70
	c) Grade B eateries	123
	d) Grade C eateries	79
27	ACCIDENT DATA	
	a) Number of accident (Kuching District)	6,028 (fatality - 55)
	b) Number of accident (DBKU area)	320 (fatality - 12)

Clean City Initiatives

DBKU is committed to providing clean public places and spaces for all communities to use and enjoy. The Clean City Strategy aims to enhance public places focusing on the three elements namely land, air and water. The Clean City approach combines existing street cleaning services with waste minimisation, and clean air and water incorporating community engagement initiatives to create enhanced liveable public spaces within the city areas. This approach is based on the idea that well-maintained and cared-for areas are treated with respect. When everyone plays their part in taking care of the public places, the city is more likely to be free from litter and other pollutants.



Clean Land Initiative - Solid Waste Management

Goal : Reduction of waste tonnage at household waste by 50%

With the ever increasing population, the generation of wastes which is the by-product of human civilisation will also increase significantly. DBKU reckons the challenges to mitigate the incidental problems that come with wastes generation and has put in place systematic approaches to manage solid wastes effectively and efficiently, ensuring that reusable, recyclable, and compostable items do not end up in the landfill. Towards this, DBKU has strategised its plan of actions to intensify its public awareness campaigns on the management of wastes.

The '3R Buy Back' programme encourages the community to segregate the wastes at source and sell the recyclables to the vendors for cash. A total of 384 programmes of this nature will be implemented annually, which will ultimately reduce wastes, hence prolonging the usable life of the landfill.

The 'Healthy School' and 'Catch Them Young' Programmes covering 53 schools focus on instilling clean culture at an early stage. Activities such as cleaning of school compounds, recycling, proper disposal of rubbish will be organised jointly with the schools. Dissemination of information on the management of solid waste will be carried out accordingly by distributing 5,000 flyers and leaflets to the general public annually while other forms of mass-media will also be utilised to ensure more coverage.

To enhance the cleanliness of the city, and to ensure that city's streets are free from rubbish, three areas that are not currently covered by our street cleaning programme are identified annually. A comprehensive work schedule including sweeping shall be prepared and implemented for each area being identified.

To manage the problem of increasing waste generation, DBKU will promote aggressively the '3R Buy Back' programme and introduce the new method of home composting using E.M Bokashi. This concept of waste reduction at source will be implemented comprehensively starting with 1,000 households covering 5 new localities.







Clean Water Initiative

Goal: Sarawak River Water Quality To Class 2B Standard

The long winding Sarawak River flowing through the city's centre has its own unique attractions. DBKU in its effort to enhance the outlook of this natural heritage, through its river cleaning programme has managed to clean the river from floating wastes by utilising an innovative and effective 'low-tech hi-impact' award winning mechanism. To further enhance the quality of the water in the river, DBKU implements and regulates compulsory desludging whilst all eateries outlets are to be installed with grease traps to ensure that waste and sullage water are treated before being discharged into the waterways. To complement this, educational and awareness campaigns will also be organised.

Clean Air Initiative

Goal: To maintain Air Pollution Index below 50

DBKU takes recognition of the fact that with the increased urban population there will be a corresponding increase of vehicles on the city's roads. Mitigating on such problem requires the involvement of other government agencies and towards this, DBKU in partnership with the relevant agencies will initiate to carry out smoke emission test on vehicles in the city. This is to ensure that vehicle owners comply strictly with the Environmental Quality Act 1974 (EQA) and to prevent further deterioration of the air quality in the city. This initiative also includes the adoption of 100% green engine concept by DBKU when purchasing new vehicles.

The consumption of electricity is also expected to be on the increase in corresponding to the increase of population. As mitigating factors, DBKU has identified new approaches to be implemented which include replacing the existing conventional bulbs and installing new ones with LED lights in city centers, DBKU's owned buildings and solar powered lighting in three recreational parks.

DBKU will also adopt and adapt the Malaysia Green Building Index (GBI) to further complement the effort in maintaining the air pollution index below 50.





Vibrant Community Initiative

Goal: 80% utilisation of parks and open spaces by 2017

DBKU also faces challenges in providing the relevant facilities and amenities in parks and open spaces to cater the increase in urban population. It is predicted that there will be a significant numbers of the population that will lead a sedately lifestyle, with the present numbers of limited facilities and amenities. Therefore, it is very pertinent for DBKU to provide and maintain the facilities where the communities can do some recreational activities towards a healthy lifestyle. The demand and needs for such facilities and amenities will also be on the rise. To counter this, DBKU has drawn up a strategy to enhance the existing recreational parks and increase the number of green lungs within its jurisdiction with adequate relevant facilities and amenities in place.

Through this strategy, DBKU will upgrade 25% of the existing parks and recreational facilities and develop 15% of the open spaces and compounds into recreational parks.

Strategies And Action Plans

Initiative 1: Solid Waste Management

STRATEGY	PROGRAMMES	TARGETS
Waste minimization	1. Public awareness on 3R :-	Increase of recycling rate by 1% annually
	a. Organise “3R Buy back” programme	384 programmes annually
	b. Healthy school programme	53 schools annually
	c. Distribution of leaflet and flyers to general public, household, and school children annually	5,000 pcs
	2. Street Cleaning :-	3 rubbish-free streets annually
	a. Increase daily cleaning of public places.	Reduction of waste tonnage at household waste by 50%
	b. Enhance E.M Bokashi home composting	1000 household in 5 new localities annually



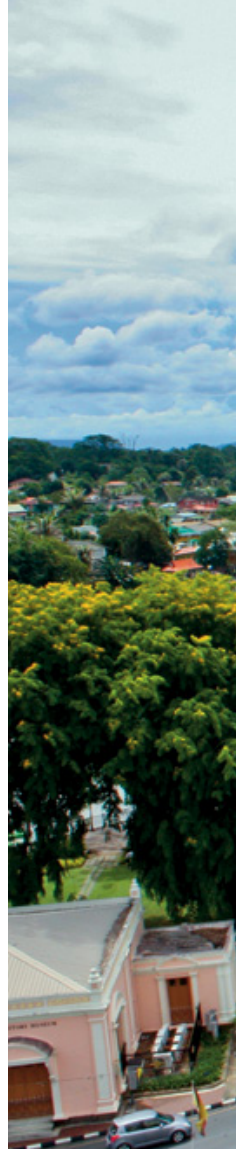
Initiative 2: Waste Water Management

STRATEGY	PROGRAMMES	TARGETS
Minimise waterways pollution	<ol style="list-style-type: none"> 1. Conduct awareness and educational programmes for the public annually. 2. Mandatory installation of SIMPLASS grease trap to food processing and preparation areas at all licensed food outlets 	<p>5% of total population by 2017</p> <p>12 programmes</p> <p>All food outlets by 2015</p>
Rehabilitation of rivers and lakes.	<ol style="list-style-type: none"> 1. Awareness campaign 2. Application of EM technology to treat sludge in Sungai Bintangor, Sungai Bedil and all lakes in the recreational parks. 	<p>5% of total population by 2017</p> <p>Comply with DOE water quality index by 2015</p>



Initiative 3: Clean Air

STRATEGY	PROGRAMMES	TARGETS
Use of energy efficient technology	<ol style="list-style-type: none"> 1. Inter-agencies coordination on checking of public vehicles. 2. Green engine concept for newly purchase DBKU's vehicles 3. Installation of LED lighting to existing and new street lighting 4. LED lighting at DBKU HQ by 2017 5. Installation of solar powered lighting 6. Adopt and adapt the Malaysia Green Building Index (GBI) 	<p>80% smoke test compliance</p> <p>100% green engine for DBKU's vehicles by 2017</p> <p>50% increase in numbers of LED street lighting by 2017</p> <p>45% reduction in electricity bills by 2017</p> <p>3 recreational parks by 2017</p> <p>DBKU's new building</p>
Enhancement of recreational parks and extension of green lung	<ol style="list-style-type: none"> 1. Upgrading of existing parks and recreations 2. Develop undeveloped gazetted open spaces and compound 	<p>12 parks and recreation upgraded by 2017</p> <p>15% of open spaces developed by 2017</p>





Initiative 4: Vibrant Community



STRATEGY	PROGRAMMES	TARGETS
Promote open spaces/parks utilisation	<ol style="list-style-type: none"> 1. Optimise usage of open spaces/parks through community activities 2. Promotion of "1 Zone 1 Green" Community 	Quarterly 29 green communities by 2017

Beautiful City Initiatives

Though it is said that 'beauty is in the eyes of the beholder', it is also true that there are generic features that contribute to the beauty of a city. In the context of a beautiful city fundamental among these features is the natural environment. The built cityscape intertwines with nature and the city folks who inhabit the city. Kuching, a city built from a humble beginning of a small trading settlement has, through the passage of time, evolved into a modern metropolis with a beauty of its own. Buildings and monuments built in the yesteryears, stand as heritage to the city with modern architecture providing contrast to the cityscape. The city's inhabitants comprise diverse ethnicities with their respective cultural heritage and are one of the city's beautiful features that is preserved and promoted. It is this inherent beauty that DBKU strives not only to enhance, but to preserve, conserve and sustain, towards making Kuching City one of the most beautiful cities in Asia for the benefit of all generations to see. This part of the plan details the various strategies and plans of actions that have been put in place and those that are being planned to realise our objective to make Kuching a beautiful city.





Conservation Initiative

Goal: Total protection of heritage buildings by 2017

All commercial buildings in the city centre are to be well maintained by 2017

The old part of the City where heritage buildings are situated has seen a significant degree of wear and tear and is in needs of repair and maintenance. Despite the fact that DBKU has not been empowered legally to conserve these buildings, DBKU nevertheless will ensure that the façades of these buildings are painted on regular basis. The haphazard advertisement signages put up on these buildings will be a thing of the past once DBKU is empowered to enforce the new advertisement by-laws. A comprehensive inventory list with inspection schedules will be prepared to ensure no more illegal structures are being put up on buildings. A working committee comprising relevant agencies shall be established to ensure these heritage buildings are conserved.

Garden City Enhancement Initiative

Goal: 40% of areas reserved for parks and recreation

All parks to be linked by bicycle lanes and walkways by 2017

In enhancing the beauty of the cityscape, a Greenery Master Plan was developed in 2006 and under the Land (Control of Sub-division) Ordinance 1993, all developers are required to provide 10% of the land being developed for open spaces or green areas. DBKU's beautification programmes include the planting of colourful plants and flowers at strategic locations, to create character and identity to the surrounding areas. Installation of new LEDS and colourful lights beautify and brighten up the streetscapes at night. Cycle lanes and pedestrian walks will serve as linkages between open spaces and parks. As Kuching is very blessed and endowed with a natural landscape, a number of new development projects will be carried out at these natural sites, such as beaches, waterfronts and nature heritage site.





Maintenance Initiative

Goal: All facilities and amenities are well maintained by 2017

The provision of greeneries and recreation parks will be further enhanced with the addition of amenities and facilities so as to encourage more utilisation of these facilities by the community. A comprehensive maintenance plan shall be formulated to ensure that all facilities and amenities are maintained.



Community Engagement Initiative

Goal: 100% community initiated programmes by 2017

DBKU also takes recognition of the fact that providing the relevant facilities and amenities will come to naught if there is no involvement of the local community. Therefore, it is pertinent that a sense of belonging is to be instilled amongst the members of the community in order to create a cultured community. More community initiated activities and programmes will be organised in the parks and recreational areas.

Overall, in our quest to develop Kuching into a beautiful city, we strive to enhance its built environment through introducing innovative initiatives in the management of landscape, building control and preservation, infrastructure and amenities maintenance and conservation of natural resources with community engagement and orderliness.





Strategies And Action Plans

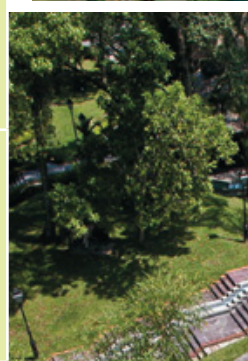
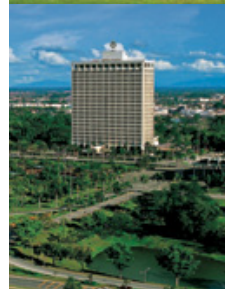
Initiative 1: Solid Waste Management

STRATEGY	PROGRAMMES	TARGETS
Conservation of all heritage buildings	1. To identify and inventorise heritage buildings	Kuching Old Town June 2013
	2. To establish a coordinating body to:- a. Develop a maintenance plan b. Review Laws and Guidelines	June 2013 Dec 2013 Jan 2014
All commercial buildings are well maintain and painted	To fully enforce the current By-laws on maintenance of building façade.	Jan 2013



Initiative 2: Garden City Enhancement

STRATEGY	PROGRAMMES	TARGETS
Enhancement of the Garden City concept	<ol style="list-style-type: none"> 1. To revise Landscaping Master Plan 2013 - 2017 2. To develop a colourful and shady landscape at City centres and strategic locations 3. To construct bicycle lanes, footpaths and shady walk ways 	<p>Completed by June 2013</p> <p>Completed within 5 years as per Master Plan</p> <p>52 km bicycle lane and 23 km footpaths by 2017</p> <p>1,000 beautiful trees per year along the linkages</p>
Optimisation of existing natural features in development projects	<p>To develop waterfronts, beaches and open spaces:-</p> <ol style="list-style-type: none"> a. Boyan Gersik - Fort Margherita b. Sg. Bedil River Front c. Buntal beach development d. Heritage trail (Brooke Dockyard to Sg. Bintangor) e. Aviary Park f. Botanical Garden 	6 projects by 2017
Brighten up and add colours to the city	To install new LED lights and decorative lightings at the city centres	<p>50 nos. of LED lights annually</p> <p>50 nos. of decorative lightings annually</p>



Initiative 3: Maintenance

STRATEGY	PROGRAMMES	TARGETS
Intensify enforcement activities	<ol style="list-style-type: none"> 1. To conduct major operations on the implementation of Advertisements By-laws 2. To conduct joint operations to ensure no new illegal extension in commercial areas 	<p>Quarterly</p> <p>Quarterly</p>
Well maintained and beautified public facilities	<p>Upgrade existing facilities and infrastructures :-</p> <ol style="list-style-type: none"> a. Bus Shelters b. Public Toilets c. Traffic Junction d. Railings/Hedges e. Parks f. Directory map g. Overhead Bridges 	<p>10 annually</p> <p>3 annually</p> <p>5 annually</p> <p>1 km annually</p> <p>2 annually</p> <p>Directory map at all strategic areas</p> <p>1 annually</p>





Initiative 4: Community Engagement

STRATEGY	PROGRAMMES	TARGETS
Promoting a cultured community	<ol style="list-style-type: none"> 1. To carry out 'Love My City' awareness programme on clean, beautiful and safe aspect 2. To enhance community engagement programmes:- <ol style="list-style-type: none"> a. Smart partnership (adoption, sponsors) b. Gardening/landscaping c. Neighbourhood cleaning and maintenance d. Wellness Programmes 3. Neighbourhood Competition 4. Sharing of information 5. Conduct survey to evaluate the impact of the programmes 	<p>3 programmes annually</p> <p>10 partnership annually</p> <p>10 programmes annually</p> <p>10 programmes annually</p> <p>20 programmes annually</p> <p>Annually</p> <p>Monthly</p> <p>Before and after each programme</p>





Safe City Initiatives

This part focuses on the safety aspects of the city. It provides for a conceptual approach to the city safety, identifying key challenges to be addressed at all levels and the need to develop sustainable networks that involve the participation of partners and the local communities.

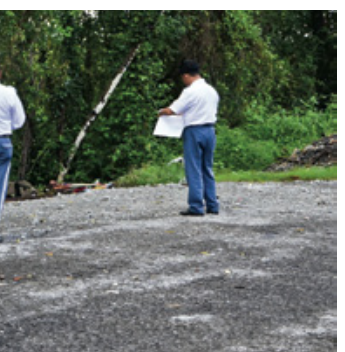
It details on safe road designs, constructions and maintenance of infrastructures, public amenities and facilities, ensuring food safety, prevention and control of diseases, and the mitigation of vandalism and public property theft so as to ensure a safe environment for all.



City Road and Infrastructure Management Initiative

Goal : Zero Traffic Fatality

The road and infrastructure management strategies encompass the designs, constructions and the users. It puts into place safe road designs, constructions and related methods and measures to reduce the risk of a person using the road networks being killed or seriously injured. Railings along roads notorious for snatch theft occurrences are constructed for the security and safety of the vulnerable road users. To cater for the needs and requirements of the users, relevant infrastructure such as dedicated motorcycle lanes and pedestrian walks are incorporated in the new road designs. Experience tells us that good, well-maintained roads and infrastructures is no safety guarantee unless the users are safety conscious. Proactive strategies and approaches are planned and programmes are outlined to inculcate the sharing and safety culture amongst the community.







Vandalism and Property Theft Mitigation Initiative

Goal: Zero Tolerance Towards Vandalism and Property Theft

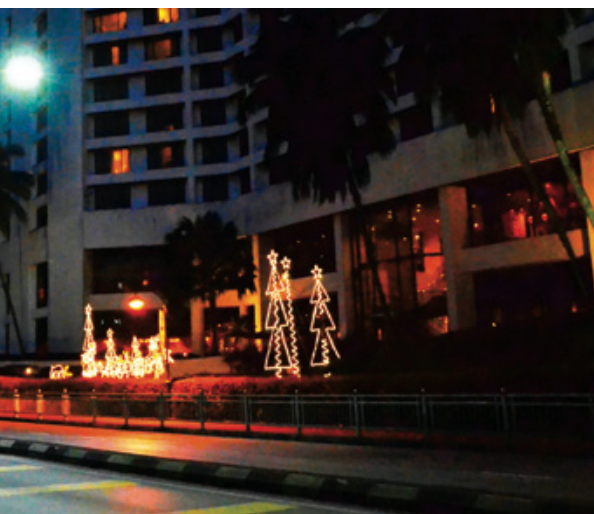
Vandalism and public property theft are common occurrences in most cities resulting in significance losses of resources and causing safety hazards. These public nuisances and menaces are very hard to tackle at source due to the fact that it happened when and where it is least expected. Towards preventing and mitigating this menaces, DBKU strategizes new ideas by incorporating the psychological approach such as instilling a sense of belonging amongst the community, using alternatives materials and making changes in the designs of amenities and facilities, so as to minimise damage and destruction to and theft of public properties. We will also rope-in the local community, instilling in them the sense of belonging towards public properties and their responsibilities to provide security in their respective areas.

Safe Food for Consumption Initiative

Goal : Zero Food Borne Disease

Food served in cities is one of the attractions of a city. Therefore, it is very important that the food served in a city is safe for the consumption of all. To ensure that food is safe for consumption and free from hazards contamination, DBKU with the assistance of the Ministry of Health, conduct regular food quality control inspection and analysis for food contaminants. As control measures, food premises must comply with the minimum standard, while food handlers must attend the food handling course before any license is issued. This is to ensure that the food premises are in good sanitary condition and handlers are hygienic in their food handling practices.





Safe Facilities and Amenities Initiative

Goal: 50% reduction in occurrence of incidences

Provisions for regular maintenance of infrastructure, parks and greens that meet the standards at all times will be prepared to ensure that there is no occurrence of incidences due to the defects of facilities and amenities to workers and users. Designs and implementation of facilities and amenities for people with special needs will also be incorporated in all improvements and new development programmes to facilitate safer, healthier, and more engaged communities.

Health Conscious Community Initiative

Goal : Zero Disease Occurrences

DBKU works closely with community members and Ministry of Health in protecting the well-being and health of the community. To control and prevent the spread of diseases, DBKU organises community initiated educational programmes, training and emergency preparedness. DBKU also monitors communicable disease outbreaks, investigates cases and addresses routes of infection. Educating and increasing awareness programmes on disease prevention and control will be intensified to mitigate neighborhood concerns.



STRATEGIES AND ACTION PLANS

Initiative 1: City Road and Infrastructure Management

STRATEGY	PROGRAMMES	TARGETS
Safe Road Design	Review road design standard and guidelines:- a. Conduct safety audit b. Conduct comparison study c. Conduct lab and syndication d. Prepare working paper for approval	2014
	e. Adoption and implementation	2015
Effective Road Maintenance	1. Establish maintenance schedule:- a. Conduct analysis on road inventory and current maintenance schedule	Annually
	b. Formulate Standard Operation Procedure on Road Management	2013
	c. Prepare maintenance schedule	2013
	2. Upgrade all Condition 3 roads to Condition 1	Annually
3. Upgrade all Condition 2 roads to Condition 1	10 km/year	
		10 km/year





STRATEGY	PROGRAMMES	TARGETS
Effective Traffic Management	To establish Area of Operation (AO):- a. Identify zone b. Deployment of Traffic Warden to each zone c. Monitoring and evaluation	2013
Effective inter-agencies coordination	Establish Coordination Committee:- a. Identify relevant partners b. Synchronise rules and regulations/TOR c. Coordination Meeting d. Monitoring and evaluation	2013 20% random joint inspection on wayleave approval
Demarcated lanes for road users	Review road design to integrate bicycle and motorcycle lane in the upgrading/development on existing and new roads:- a. Conduct site visit b. Conduct comparison study c. Conduct lab and syndication d. Prepare working paper for approval e. Adoption and implementation	2015 2016
Inculcation of sharing and safety culture	To conduct:- a. Safety awareness programme b. Road safety campaign c. Traffic Games d. Racing Competition	1 programme/year 1 programme/year 1 programme/year 1 programme/year 75% attendance of targeted participant

Initiative 2: Vandalism and Property Theft Mitigation

STRATEGY	PROGRAMMES	TARGETS
Instill sense of belonging	<ol style="list-style-type: none"> To conduct:- <ol style="list-style-type: none"> Anti-vandalism and property theft publicity Educational/Awareness Programme 	<p>Ongoing</p> <p>2 programmes/year</p>
Community engagement and participation	<ol style="list-style-type: none"> Improve communication and information sharing with relevant 3Ps:- <ol style="list-style-type: none"> Regular dialogue Publication Website/Facebook Conduct survey:- <ol style="list-style-type: none"> Prepare questionnaire Field survey Analyse data Presentation of findings Monitoring and evaluation Smart partnership/adoption programme:- <ol style="list-style-type: none"> Identify relevant partner Implementation of programme Evaluation Community policing through:- <ol style="list-style-type: none"> Rukun Tetangga Neighbourhood Association SahabatKU Skim Rondaan Sukarela Active Zone Officers - meet the people session 	<p>Reduction 5% annually</p> <p>Ongoing</p> <p>Bi-annually</p> <p>1 programme/year</p> <p>Ongoing</p> <p>2 session/year</p>





Kuching City CBS Enhancement Plan

STRATEGY	PROGRAMMES	TARGETS
Target hardening	<ol style="list-style-type: none"> 1. Implementing Crime Prevention through Environmental Design (CPTED) for all DBKU projects through design, pedestrian walkways, landscape, parking facilities, lighting, safety equipment and management and maintenance. 2. Implementing Safe City Programme:- <ol style="list-style-type: none"> a. Identify hot spot and determine suitable safety devices b. Installation of:- c. Safety Mirror d. Lighting e. Safety Signage f. CCTV g. Alternative design and material use h. Maintenance 3. Monitor effectiveness by sharing data with the police 	<p>Reduction 5% annually</p> <p>Ongoing</p> <p>2013-2017</p> <p>Quarterly</p>

Initiative 3: Safe Food for Consumption

STRATEGY	PROGRAMMES	TARGETS
Safe food for consumption	1. Food Quality Control Management:- a. Review guidelines and regulatory measure b. Analyse data c. Conduct lab and syndication d. Prepare working paper for approval e. Adoption and implementation f. Monitoring and evaluation	2016 2017
	2. Monitoring system through:- a. Food sampling b. Food confiscation	12/monthly 1/monthly
Regulating of Food Handlers	1. Enhance licensing requirement and minimum eateries standard:- a. Review current requirement/standard b. Conduct lab and syndication c. Prepare working paper for approval d. Adoption and implementation e. Monitoring and evaluation	2013 2014
	2. Enhance food premises grading system and recognition:- a. Review current requirement/standard b. Conduct lab and syndication c. Prepare working paper for approval d. Adoption and implementation e. Monitoring and evaluation	2014 Upgrade all Grade C eateries to Grade B and A 2015



STRATEGY	PROGRAMMES	TARGETS
Knowledgeable Consumer	Conduct periodic education/ awareness programme for the public through publication and mass media	2 programmes/year
Effective regulatory action	<ol style="list-style-type: none"> 1. Identify areas of concerns and requirements 2. Intensify enforcement activities on illegal eateries:- <ol style="list-style-type: none"> a. Identify locality b. Prepare enforcement schedule c. Establish inter-agency coordination 	2013 Ongoing 20% reduction in illegal eateries yearly





Initiative 4: Safe Facilities and Amenities

STRATEGY	PROGRAMMES	TARGETS
Right design and well implemented facilities and amenities	<ol style="list-style-type: none"> 1. Identify needs (facilities and amenities) 2. Design, maintain and inspect 	<p>Ongoing</p> <p>2 programmes/year</p>
Effective Community Engagement	<p>Instill sense of belonging :-</p> <ol style="list-style-type: none"> a. Determine areas and interested group b. Conducts voluntary programme c. Inculcate safety culture 	<p>Quarterly</p> <p>50% of the programmes are initiated by the community/ voluntary groups by 2017</p>
Comprehensive facilities for the OKU	<ol style="list-style-type: none"> 1. To Enforce Building Ordinance 1994 2. To conduct awareness programme/seminar 3. To conduct audit :- <ol style="list-style-type: none"> a. Identify areas of concerns and b. requirements c. Implementation 4. Conduct regular meeting with the Coordination Committee 	<p>Ongoing</p> <p>1 programme/ year</p> <p>Annually</p> <p>Quarterly</p>



Initiative 5: Health Conscious Community

STRATEGY	PROGRAMMES	TARGETS
Enhancement of disease security	<ol style="list-style-type: none"> 1. Positive intervention of communities' knowledge, attitude and practice. 2. Develop and implement health education programme 3. Source minimisation through regulatory action 	<p>Monthly</p> <p>1 communicable and 1 non- communicable disease programme yearly</p> <p>Ongoing</p>
Promoting Healthy Lifestyle	<ol style="list-style-type: none"> 1. Organise healthy lifestyle activities 2. Provision of avenue for sports and recreation 	<p>One activity per week</p> <p>2 site per year</p>



SCHEDULE OF REVIEWS

Schedule of reviews shall be established to evaluate on each strategy to ensure relevancy and effectiveness of the actions taken. This may be done on a Quarterly and Yearly basis depending on the impact of the strategies undertaken.





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