



WEBINAR

“Why 2020 onwards Penang Needs to Deliver Circular Economy Solutions to Address Our Top 5 Challenges On Mainland” and “Why Eliminating/ Reducing Single Use Plastics Is High On The Agenda”

Speaker:

Dato' Sr Haji Rozali Bin Haji Mohamud
Mayor Of Seberang Perai City Council

2 July 2020 (Thursday) 2:30-5.00pm



LOCALIZING THE IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT GOALS

Vision

Seberang Perai Resilient, Inclusive, Green, Competitive and Technology Driven Smart City

MISION

To provide urban service, development planning and infrastructure efficiently, effectively and responsive to the needs of the community in Seberang Perai



SUSTAINABLE DEVELOPMENT GOALS



Seberang Perai Commitment:

- i. Seberang Perai City Council is committed to uphold **Penang2030 "A Family Focused Green and Smart State That Inspires The Nations"**
- ii. Seberang Perai City Council is committed to a **green and low emission** development.
- iii. Seberang Perai City Council is committed to be **resilient city**.
- iv. Seberang Perai City Council is committed to being **inclusive, equitable** and to be **people-centered** in developments.
- v. Seberang Perai City Council is committed to be **competitive** and a **smart city** in developments.

Seberang Perai City Council sets its target of becoming carbon neutral city by 2030, which is 10 years from January 2020 and becoming zero carbon city by 2050



PENANG
2030
A Smart, Sustainable and Smart State
that Inspires the World



**Single Use Plastics ,
often referred to items
intended to be used only
once, before they are
thrown away or recycled.
These include among
other items, grocery
bags, food packaging,
bottles, straws,
containers, cups and
cutlery. It is also include
plastic packaging.**



Seberang Perai Waste Data

YEAR	WASTE RECYCLED		RECYCLABLES		BIODEGRADABLES		ACTUAL WASTE		TOTAL	
2011	144,672	26.48%	132,161	24.19%	219,467	40.17%	50,045	9.16%	546,345	100.00%
2012	157,267	29.77%	125,994	23.85%	197,945	37.47%	47,069	8.91%	528,275	100.00%
2013	207,826	32.70%	151,643	23.86%	221,046	34.78%	55,039	8.66%	635,555	100.00%
2014	233,784	35.00%	163,716	24.51%	214,280	32.08%	56,175	8.41%	667,955	100.00%
2015	289,260	39.64%	166,522	22.82%	217,310	29.78%	56,626	7.76%	729,718	100.00%
2016	322,216	42.61%	172,338	22.79%	207,879	27.49%	53,766	7.11%	756,198	100.00%
2017	345,292	43.25%	200,389	25.10%	201,108	25.19%	51,574	6.46%	798,364	100.00%
2018	425,681	47.16%	223,221	24.73%	200,294	22.19%	53,436	5.92%	902,631	100.00%
2019	590,773	51.64%	255,687.41	22.35%	254,543.39	22.25%	43014.97	3.76%	1,144015.23	100.00%



STOP
PLASTIC POLLUTION

**14% of the total waste are
Plastics**

(survey done by USM and SWCorp)

**30% of plastics waste
recycled**

Where are the balance 70%

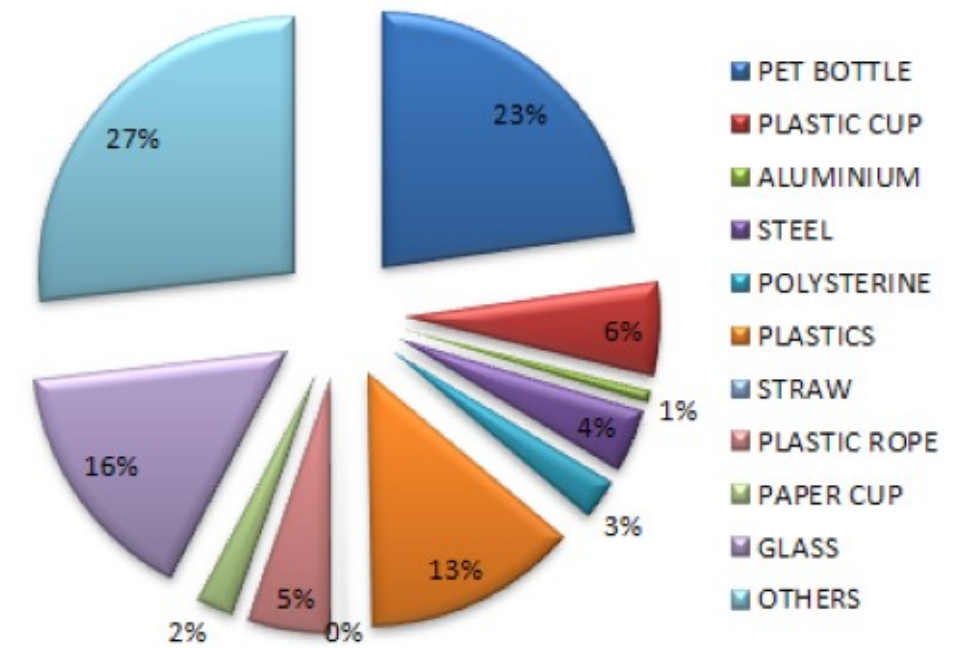




Spring Cleaning at Pantai Robina 06/07/2019

TYPE	TOTAL (KG)
PET BOTTLE	34.9
PLASTIC CUP	9.1
ALUMINIUM	1.2
STEEL	6.2
POLYSTERINE	4
PLASTIC	20.8
STRAW	0.3
PLASTIC ROPE	8.1
PAPER CUP	3.6
GLASS	24
OTHERS	41


73.2% were single use plastics



Top 5 Challenges in transition to Circular Economy

- Food Waste and Food Security
- Water Security
- C&D Waste
- Single Use Plastics
- E-Waste & Hazardous Waste

Source By: Penang Green Council

An underwater scene showing various pieces of plastic waste, including water bottles, a cup, and bottle caps, floating in the water. The background is a deep blue with light rays filtering through.

We are producing over 300 million tons of plastic every year, 50% of which is for single use purposes. More than 8 million tons of plastic is dumped into our oceans every year.

Source: Plastic Ocean International

MBSP Road Map To Reduce Single Use Plastics



Improve Waste Management System

Segregation at source, bans on plastics bags, Styrofoam, No Straw



Promotion of eco friendly alternatives

Utilize compostable garbage bag for garden waste collection :
Introduce E- Green Digital Games for Single Use Plastics



Social Awareness

Impose a pollution charge at a minimum of RM0.20 for plastic bags.



Education and Awareness



Community Empowerment

- Pilot Project on plastics in Kampung Permatang Nibong and Taman Bagan Lalang
- Partnership with Recycling Factories
- Promoting waste prevention via 8R Smart Consumption Model



Monitoring framework for the circular economy action package
Waste prevention & Reuse.



New policies should be rise up



Case Studies



Segregation At Source

1 June 2016

Local Government Act 1976 – Separation of Waste and Licensing of Recyclable Waste Collection Services (Municipal Council of Province Wellesley) By-Laws 2016



Recycling Rate 2008 - 2020

YEAR	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
WASTE (TONS)	564,941	560,602	555,956	546,345	528,275	635,555	667,955	729,718	756,198	798,364	902,631	1143,995	256,177
RECYCLING (TONS)	124,121 (21.97%)	132,039 (23.55%)	129,804 (23.3%)	144,682 (26.48%)	157,286 (29.77%)	207,849 (32.7%)	233,790 (35%)	289,258 (39.64%)	322,189 (42.60%)	345,329 (43.25%)	425,640 (47.15%)	590,773 (51.64%)	82,483 (32.2%)

As April 2020





“Re-Imagining Waste As A Resources”

Mural 3D Program
with bottle cover

300 volunteers
71,000 units of bottle
cover

Malaysia Book Of
Records





No Plastic Straw Campaign

- All premises that provide drinks and food are required to register with MBSP for campaign execution.
- Drinks and food premises are no longer allowed to provide plastic straw at the corner / counter.
- Plastic straws will be provided to consumers only upon request and no longer by default for every food and beverage purchase.
- Beverage and food premises are allowed and encouraged to use substitute items to replace plastic straws.
Example:- Straw made from organic products that is not gives negative impact on the environment.



Autocity is the first Organization in Seberang Perai who implemented “No Straws” Campaign

37 premises involved





**Kampung Permatang Nibong
Upcycle Workshop
20 Julai 2019**



**“Plastic Waste Who Cares” Workshop
120 participants from Green Schools , factories
and communities
Dr. Tiew Kian Gee from Universiti Sains Malaysia
has been invited to run the workshop.**





Upcycle Carnival

First Saturday of each month at Autocity

Non-recyclable plastic which is unrecyclable will be collected for upcycle and sale items for Upcycle Carnival and Grow Community Market.





Activities Carried Out To Reduce Plastic Consumption at Schools

- Green School Award
- Practicing 'Do not want plastic'
- Recycle Campaign
- Plastic collection is one of the criteria to determine winner.





Schools Recycling Competition with Fraser & Neave Holdings Bhd

YEAR	SECONDARY SCHOOLS	PRIMARY SCHOOLS	KINDERGARTEN	TOTAL WASTE	TOTAL PLASTIC
2017	24	41	-	54,090.75	9876.90
2018	29	41	2	114,567.36	15,926.55
2019	30	44	9	141,559.75	16,748.52



“No To Single-Use Plastic”

BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC FOR HAWKERS IN SEBERANG PERAI

NO	DATE	PROGRAMME	VENUE
1	16 AUGUST 19	BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC SPU	AUDITORIUM, MBSP
2	30 AUGUST 19	BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC SPS	AUDITORIUM, MBSP

BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC FOR STUDENTS IN SEBERANG PERAI

NO	DATE	PROGRAMME	VENUE
1	10 April 19	BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC FOR SCHOOL CHILDREN SPU	DEWAN KOMPLEK SUKAN BERTAM
2	16 April 19	BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC FOR SCHOOL CHILDREN SPS	DEWAN JKKK JAWI, PERKAMPUNGAN JAWI
3	17 April 9	BRIEFING ON THE IMPLEMENTATION OF SINGLE-USE PLASTIC FOR SCHOOL CHILDREN SPT	AUDITORIUM, MENARA MPSP
4	22 April 19	BRIEFING ON NO TO USE PLASTIC STRAW	SMK BERAPIT, BUKIT MERTA JAM
5	25 April 19	BRIEFING ON NO TO USE PLASTIC STRAW	SK PERMAI INDAH, BUKIT MINYAK
6.	6 MARCH 2020	SINGLE USE PLASTICS CAMPAIGN	SJKC MAK MANDIN, BUTTERWORTH



D
Invest in the built environment to improve resilience

D4
Implement Climate Change Adaptation Plans



- Launch on 1 March 2019
- Recycling rate to increase to 70% and Garbage Mass to reduce by 50% per capita in 2022.
- Organize a Recycle for Life smart card campaign for all Seberang Perai City Council employees at SP City Council Tower.
- Concentrate and research methods of food waste management, organic waste, residual waste of trees and other green waste by the following methods;



Upcycle Park Bandar Perda





PEOPLE



PUBLIC



PRIVATE



PHILANTHROPY

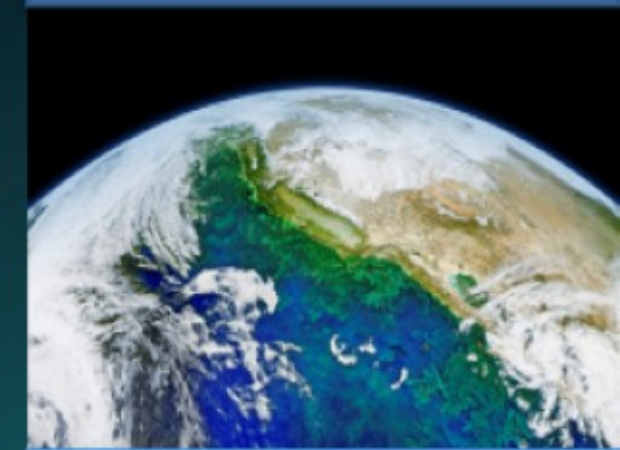
7Ps Inclusive Partnerships toward realization of Sustainable Development Goals



*A Family-focused
Green and Smart
State that Inspires
the Nation*



PHILOSOPHER



PLANET



PARTNERSHIP