» Outline of the Plan

	Basic Plan	Action Plan for the 3rd Term			Qualita: indices	Living an ecologic
	Basic Policies	Concrete Policies	đ	nization	tive	n :al life
I .Initiat Enviro Citizei		Promoting the spread of knowledge on the environment among children and the younger generation				
	(1) Promoting environmental	② Enhancing environmental education and learning using ICT	*			
	education and learning	(3) Promoting the spread of knowledge on the environment among a variety of citizens	*			•
ns:ive		(Genhanding the awareness-raising activities at such apportunities as events				
ien		S Emidicing the awareness-raising activities at such opportunities as events	*		•	
Ital	(2)Promoting information	Ffectively providing a variety of citizens with information on how to separate and take out recyclable and other waste	÷			
ly ec	sharing	(3)Informing citizens about how to separate waste in case of a disaster				-
Con		 Strengthening liaison with the leaders of the promotional activities for waste reduction 	*			
nsciou	(3)Encouraging citizens to	② Fostering regional leaders on the environment				
	participate	③Promoting activities that welcome citizens' participation, such as the Zero Waste Café	*			
sr		④ Recognizing persons who contributed to the environment				
п		 Promoting efforts to improve the ratio of separation and reduce waste 	*			
의 :		②Promoting appropriate packaging of products	*			
nd iti	(1) Reducing the volume of	③ Promoting collection of recyclable waste at designated locations and stores	*			
Re	and recycling domestic	Enhancing the collection of recyclable waste by resident groups	*	•		
CY Ves	waste	(5) Promoting the reduction of plastic waste	*	•		
cle t		Geromoting the initiatives utilizing the achievement in the model area, Carbon Zero Action Mizonokuchi. Desenting requeling of plassic products	*	•		•
≤R		(7) Promoting recycling of plastic products				
as	(2)Reducing the volume of and	Fightancing PP and giving thorough guidance to reduce the volume of industrial waste				
teuc	recycling industrial waste	© chimancing rk and giving thorough guidance to reduce the volume of industrial waste				
e t	(3) Reducing the volume of and recycling	O Promoting the initiatives to reduce the volume of waste in the government office buildings and other facilities	^	-		
:he Vo	waste at the initiative of the City government	 Promoting the initiatives to reade the volume of waste in the government office bandings and other radiates Promoting green procurement 				
	/ 8	(1) Promoting the "3 Kiri" initiative (use all, eat all and dehydrate food waste)	*	Ť		
Ĕ		② Promoting the initiatives to reduce and recycle food waste	*	Ĭ		
Ime o	(4)Reducing the volume of	③ Promoting the recycling of food waste from school lunch		•		
	and recycling food waste	④ Promoting the measures to reduce food loss and waste at home	*	٠		
+		③ Promoting the measures to reduce food loss and waste by businesses	*			
Ξ		①Conducting research on waste treatment technologies and passing on the skills				
< <u>-</u>	(1) Establishing a safe and secure	②Appropriately managing the waste incineration ash (ash to be landfilled) and landfills				
itia /as	(i) Establishing a sale and secure	③ Treatment of waste that are hazardous and difficult to dispose of	*			
te	waste treatment system	(4) Repairing and maintaining waste treatment facilities				
/es Tre		(5) Ensuring state and secure operation of a waste disposal system at the time of disaster	*			
äti	(2)Operating a system consisting	Deconstruction of the Tachibana Waste Treatment Center	×			
ne	of three waste treatment	Reconstruction of the Tsutsumine Waste Treatment Center	÷			
nt	centers stably	Improvement of recycling facilities	÷			
olis Sys		①Following up the plan	~	•		
h a ter	(3)Establishing an effective and	②Conducting research on effective economic approaches				
∃	efficient waste treatment system	3 Reconsidering the division of roles between the public and private sectors, including participation by the private sector	*			
Z	(1) One we attack a large in we do a table where d	① Cleaning neighboring environment	*			
	(I) Promoting cleaning of neighborhood	② Implementing various public-awareness-raising campaigns	*			
al th	(2)Promoting the initiatives that	①Enhancing consultation service on waste	*			
ives Env	meet the needs of citizens	② Promoting a service to support garbage disposal, taking a super-aged society into consideration	*			
iron d		3 Waste collecting methods that meet the needs of citizens				
Crea	(3)Initiatives to implement measures	(1) Implementing measures against illegal waste dumping				
nt fort	against inappropriate waste	(2) Giving thorough guidance on improper waste disposal	*			
abl	disposal	Control of the measures against improper tooling of valuable waste Proventing prohibited items from being mixed into waste to be collected	×			
e 		Preventing promotied items from being mixed into waste to be collected Promoting the use of residual beat from waste treatment, including nower generation	×			
<u>ح</u> .	(1) Using onergy resources effectively	Studying the possibility of new ways to use power generated from waste	÷			
Real nit	(i) Using energy resources ellectively	(a) Survey and research for the promotion of the use of biomass resources	^			
iat: exi	(2) I lsing resources effectively	() Promoting the initiatives conducted in liaison with various regional groups				
ste	to achieve decarbonization	Repetition of II (1) ① to ⑦, (2) ① to ③, (3) ① to ②, (4) ① to ⑤, III (2) ② to ③, V (1) ① to ③.		-		-
inc a	and co-existence with nature	(3) 1 to 2, (4) 1 to 2 and 4				
ebe	(2) Fetablishing on any income and the	①Establishing an environmentally friendly transportation system				
vith	(S)ESTADUSTING AN ENVIRONMENTALLY	② Operating a waste treatment center utilizing the environmental management system		٠		
	conscious waste treatment system	③Conducting research on the extension of service life of landfills				
		① Creating an environment to promote the development of environmentally conscious products		•		
Jre	(4) Initiatives to use the environmental	(2) Liaising with environmental industries				
ety are	technologies accumulated	(3) Promoting international contribution				
ro		(4) Promoting the Kawasaki brand for its efforts toward low CO2				

%In the table above, "decarbonization" refers to the policies to achieve decarbonization and "living an ecological life" refers to the policies that encourage a shift particularly to an ecological lifestyle.



Waste Policy Section, Living Environment Department, Environment Bureau, Kawasaki City 🧖 Phone: 044-200-2558 Email: 30haise@city.kawasaki.jp Kawasaki City official website : http://www.city.kawasaki.jp Kawasaki City's Basic Plan for General Waste Treatment Q Search







Kawarun

Kawasaki City's Basic Plan for **General Waste Treatment** Action Plan for the 3rd Term -Overview-Eco-gurashi Plan in the Future

Kawasaki City Formulated in March 2022

Eco-chans

Dasic Principle Realizing a city that is friendly to the global environment and thus sustainable Basic Policies Responding to the changes in social circumstances appropriately and realizing a society that generates as little waste as possible Living an ecological life and further promoting 3Rs through collaboration between citizens, businesses, and the government

③Protecting comfortable living environment where citizens can live a healthy life with peace of mind

	enou	C01	/er
S	by t	he P	lar

» Basic Plan

From fiscal 2016 to fiscal 2025 (10 years) Action plans formulated for a period of two to four years to ensure the feasibility of the plan

Periods for t	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
he Action Plans	1st term		2nd term				3rd term			

Targets of the Basic Plan



Target

For your

reference

10% reduction of the volume of waste generation per person per day

*Total of waste generated by households and industries
 *In order to achieve the target for reducing the volume of incinerated waste to 330,000 tons even during the period of population growth, this target was changed in the Action Plan for the 3rd Term (to be explained later).



Reduction of the volume of incinerated waste by 40,000 tons

*Reducing waste generated by households and industries by 20,000 tons, respectively Equivalent to a reduction of 18,000 tons-CO2 (equivalent to 1.28 million Japanese cedar trees)

Progress of the Action Plan for the 2nd Term

	Reference value 2016	Actual 2020	Target 2021
Target 1Reduction of the volume of general waste*by 36 grams per person per day	443g	447g	407g
Ratio of recycled waste to 32%	27.7%	25.8%	32.0%
Reduction of the volume of incinerated waste by 22,000 tons	366,000t	358,000 t	344,000 t

*Out of all waste, it means general waste taken out twice a week by households.

Initiatives taken in the 2nd Term of the Action Plan (extracts)





stations

Campaign to promote the use of

eco-friendly shopping bags at major



Introduction of electric-powered garbage truckss



見きた時の

Information provision about the preparedness for waste at the time of a disaster

» Current Status and Issues on the Treatment of General Waste

Reduction of the Total Volume of Waste Generation

While the City's population increased by about 80,000 (about 5%) from fiscal 2014 to fiscal 2020, the volume of waste generated per person per day was reduced as a result of the collaborative efforts for 3Rs (Reduce, Reuse, and Recycle) among citizens and businesses, also reducing the total volume of waste generated by about 26,000 tons (about 5%) from 532,000 tons in fiscal 2014. In the recent years (last three years), however, the volume has stayed flat.

2 Reduction of the Volume of Waste Generation per Person per Day

The volume of waste generated per person per day has been reduced by nearly 100 grams from 998 grams in fiscal 2014 to 902 grams in fiscal 2020 and one of the targets of the Basic Plan is expected to be achieved in the near future. On the other hand, the volume of domestic general waste generated per person per day, which had been on a decreasing trend, showed an increase in fiscal 2020. This was due to the increase in the time spent at home as a result of teleworking and refraining from going out to prevent the COVID-19 infection.

3 Promotion of Recycling Waste

The ratio of recycled waste has been on a downward trend in recent years. One of the factors is the significant decline in the volume of recyclable paper and mixed paper collected by resident groups. The background to this decline is considered to be the shift to a paperless society. Examples include a decrease in subscriptions to newspapers due to the spread of online news and a decrease in demand for printing paper.

4 Reduction of the Volume of Incinerated Waste

In the last three years, the volume of incinerated waste has stayed flat. This is due to the rise in population exceeding the projection, damage caused by the East Japan Typhoon in 2019, and the circumstances cause by the COVID-19 infection. The current landfill is expected to be full around 2053. As it is difficult to secure a new landfill in the City, it is necessary to extend the duration of the current landfill to the maximum extent by promoting the reduction and recycling of waste.

5 Costs of Waste Treatment

The City has established an effective and efficient waste treatment system by outsourcing the collection and transportation of recyclable and other waste and the operation of waste treatment facilities to private businesses. On the other hand, the costs of waste treatment have remained flat at around 14 billion yen for the last three years due to such external factors as the sharp rise in the costs of labor, materials, and equipment. As the costs of waste treatment are expected to rise further, with a plan for reconstructing the incineration plant, it is necessary to continue to pursue effectiveness and efficiency in the service.

Environmental education for elementary and nursery schools and neighborhood associations

••••



1Total Waste Generation and Population



②Volume of Waste Generation per Person per Day









*Costs of waste treatment refer to the costs required for the collection, transportation, treatment, and disposal of domestic waste.

3

>>> Action Plan for the 3rd Term

Period Covered by the Plan From fiscal 2022 to fiscal 2025 (4 years)

The Action Plan for the 3rd Term formulated this time is the last action plan during 2 Targets the period for the Basic Plan. Since an action plan is designed to support the achievement of the goals of the basic plan, the goals of the Action Plan for the 3rd Term are basically the same as the ones for the Basic Plan. In addition, a new goal has been set that will incorporate the progress of the 2nd Term and the viewpoint of decarbonization.

Targets in the 3rd Term of the Action Plan



• Citizen's needs are becoming more and • As the importance of policies that • We set a goal to be attained (qualitative more diverse and complex in cannot be evaluated by target values is indices) for each policy that addresses accordance with the changes in social increasing, we set indices to further an issue. conditions, such as the coming of a improve the quality of services for •The status of initiatives is managed, super-aged society and changes in the citizens. required response to large-scale

disasters.



[Policies evaluated by target values vs policies evaluated by indices]

Policies related to the reduction and recycling of waste are evaluated by target values, while policies not related to them are evaluated by indices.

[What are the SDGs?]

The SDGs stand for Sustainable Development Goals and constitute the core of the 2030 Agenda for Sustainable Development adopted by the United Nations in September 2015. They are composed of 17 goals I and 169 targets. In the Action Plan for the 3rd Term, the following goals are linked to each policy to promote the initiatives.



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.



Ensure access to affordable, reliable, sustainable, and modern energy for all.



Make cities and human settlements inclusive, safe, resilient, and sustainable.



Ensure sustainable consumption and production patterns.





Conserve and sustainably use the oceans, seas, and marine resources for sustainable development.



evaluated, and then made public every

Action

Check

fiscal year based on a PDCA cycle.

Plan

Do

Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.







We are preparing for the implementation of a trial in some areas, in which plastic products, such as toothbrushes and combs, and plastic containers and packings, such as packaging of snacks, are collected together at once and recycled.

>> Focused Policies

After having further clarified the basic policies of the Basic Plan, we chose the policies that are highly effective in promoting "living an ecological life" and stable waste treatment and designated them as focused and priority policies in each basic policy.

In the Action Plan for the 3rd Term, 36 out of 61 policies are designated as focused policies.

Basic PolicyI Initiatives to become Environmentally Conscious Citizens

In order to promote integrated efforts for resource recycling, decarbonization and co-existence with nature and to realize a city that is friendly to the global environment and thus sustainable, citizens, businesses, and the government will exchange opinions about what "living an ecological life" is like and how it should be implemented. They will also make an interactive effort to reflect the opinions in other policies.

«Eight Focused Policies»

- · Promoting the spread of knowledge on the environment among children and the younger generation
- Enhancing environmental education and learning using ICT
- Promoting the spread of knowledge on the environment among a variety of citizens
- · Providing information using a variety of media
- · Effectively providing a variety of citizens with information on how to separate and take out recyclable and other waste
- Informing citizens about how to separate waste in case of disaster • Strengthening liaison with the leaders of the promotional activities
- for waste reduction
- · Promoting activities that welcome citizens' participation, such as the Zero Waste Café.

Enhancing environmental education and learning using ICT

To respond to the COVID-19 infection and the GIGA School Program, we will work on creating opportunities for environmental education and learning using ICT. Interesting learning processes that can only be realized by digital devices!

Interesting learning processes that can only be realized by digital devices!



Basic Policy II Initiatives to become Environmentally Conscious Citizens

Citizens, businesses, and the government will make a collaborative effort to accomplish the reduction and recycling of waste

«Twelve Focused Policies»

- Promoting efforts to improve the ratio of separation and reduce waste
- Promoting appropriate packaging of products
- Promoting collection of recyclable waste at designated locations and stores
- Enhancing the collection of recyclable waste by resident groups
- Promoting the reduction of plastic waste
- Promoting the initiatives utilizing the achievement in the model area, Carbon Zero Action Mizonokuchi
- Promoting recycling of plastic products
- Promoting recycling industrial recyclable waste
- Promoting the "3 Kiri" initiative (use all, eat all, and dehydrate food waste)
- Promoting the initiatives to reduce and recycle food waste
- Promoting the measures to reduce food loss and waste at home
- Promoting the measures to reduce food loss and waste at businesses

Promoting the reduction of plastic waste **«Kawasaki Plastic circulation Project»**

This project was established to link the various initiatives in collecting plastic waste at designated locations and stic Recycli recycling them as resources implemented by citizens, businesses, and the government in order to promote behavioral change to further expand plastic recycling and to make a platform on which people can plan and implement new initiatives.

GO

《Project Details》

Projec

- (1)Implementing an initiative for plastic recycling in Kawasaki City by the collaboration among citizens, businesses, and the government
- (2) Collecting and transmitting information on the above initiative, grasping its needs and seeds, and supporting its implementation
- (3) Other work required to achieve the objectives of the project

Basic Policy

amount of money. Therefore, we will work on it systematically and consistently from a long-term perspective.

«Seven Focused Policies»

- Treatment of waste that are hazardous and difficult to dispose of
- Ensuring safe and secure operation of a waste disposal system at the time of disaster
- Ensuring stability in the operation of a waste treatment system
- Reconstruction of the Tachibana Waste Treatment Center
- Reconstruction of the Tsutsumine Waste Treatment Center
- Improvement of recycling facilities
- Reconsidering the division of roles between the public and private sectors, including participation by the private sector

We will work to maintain the living environment, improve public sanitation, and build a safe and secure living environment that helps citizens live a healthy and comfortable daily life.

«Seven Focused Policies»

- Cleaning neighboring environment
- Implementing various public-awareness-raising campaigns
- Enhancing consultation service on waste
- Promoting a service to support garbage disposal, taking a super-aged society into consideration
- Giving thorough guidance on improper waste disposal
- Enhancing the measures against improper looting of valuable waste
- Preventing prohibited items from being mixed into waste to be collected

Basic PolicyV (Initiatives to Build a Society where Decarbonized and Co-existence with Nature are Realized

From the perspective of resource recycling, we will tackle the highly effective policies to build a society where decarbonization and co-existence with nature are realized.

«Two Focused Policies»

- Promoting the use of residual heat from waste treatment, including power generation
- Studying the possibility of new ways to use power generated from waste

Studying the possibility of new ways to use power generated from waste

To increase the use of renewable energy in the City, we will explore more effective ways to use the power generated from waste. We will establish an effective method to liaise with private businesses in time for the start of the operation of the Tachibana Waste Treatment Center.





Basic PolicyIV Initiatives to Create a Healthy and Comfortable Living Environment

Cleaning neighboring environment

cleaning of neighboring environment through carrying out a large-scale campaign named "Day of Zero Garbage" on May 30, participating in the Plastic Smart program hosted by the Ministry of the Environment, and transmitting information about the various activities of cleaning the neighboring environment.





Regional energy platform