

Waste and Food Waste Management

Target in 2030

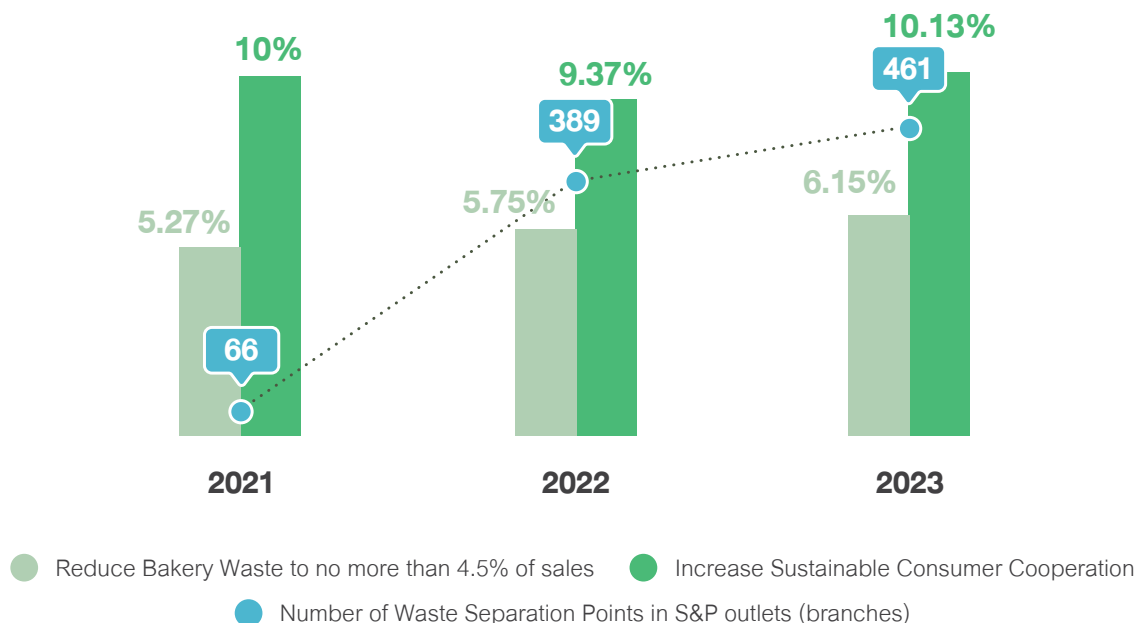


Increase sustainable consumer cooperation by redirecting surplus bakery products from production through partnerships by **30%**



The number of waste separation points by disposal type in stores of **463 branches** or **100%** of all branches.

Performance Against Targets



Background and relevance

The waste disposal is a global environmental issue that has widespread impacts. It contributes to greenhouse gas emission as the landfilled waste adversely affects human health and the environment. The right to health is a fundamental human right, as outlined in Article 25 of the Universal Declaration of Human Rights, which states that “everyone has the right to a standard of living adequate for the health and well-being of oneself and one’s family, including food, clothing, housing, medical care, and necessary social services.” This is for the right to access freedom and security of life as well. In 2023, the data from the Ministry of Natural Resources and Environment reported that the nationwide volume of municipal waste was approximately 27 million tons, averaging 1.13 kilograms per person per day, with improper disposal accounting for up to 27.6%.



Being the company operates in the food and bakery business, S&P is committed to reducing the amount of waste generated from the operations, including managing excess food production before it becomes food waste that emits methane gas when disposed of. According to a report from the Food and Agriculture Organization of the United Nations (FAO), one-third of food produced annually ends up as food waste, primarily due to overproduction, transportation, distribution, and consumption practices that lead to increased food waste. They are often disposed of by landfilling, resulting in approximately 8% of global greenhouse gas emissions.

Currently, various organizations recognize the importance of managing excess food from production processes that contribute to food waste, aligning with the Sustainable Development Goals (SDGs), particularly Goal 12.3, to halve per capita global food waste by 2030. This involves promoting waste reduction in industries, businesses, and among consumers to enable the circular economy, reducing resource scarcity and minimizing environmental impacts, while also ensuring food security for society.

Commitments

1. Reduce the generation of waste and refuse at the source.
2. Enhance the capacity for managing various types of waste and refuse.
3. Promote waste management and refuse handling.
4. Properly segregate waste to facilitate reuse and efficient management.
5. Foster environmental consciousness and present guidelines for sustainable environmental care to employees and the general public through various channels.

Waste management practices



Operational approaches

Recognizing the importance of sustainable waste and refuse management, S&P is committed to reducing the risk of overusing resources in production and minimizing environmental impact, as well as reducing waste disposal costs. S&P sets policies to efficiently utilize resources to maximize benefits, covering waste management and food scraps. This aligns with the Sustainable Development Goal 12 set by the United Nations through the implementation of the S&P Food Rescue project. This project involves delivering surplus bakery products from production to the needy communities through partners like Scholars of Sustenance. It helps reduce landfill waste that impacts the environment while also improving food accessibility for those in society. Additionally, S&P manages to reduce food loss in the production process and handles food and other types of waste by applying the approaches from the Food and Agriculture Organization of the United Nations (FAO) under the principles of the 3Rs; Reuse, Reduction, and Recycling, following the concept of the Circular Economy. The natural resources are employed throughout the value chain in a circular manner to maximize benefits and enhance waste management efficiency, including raw materials and expired products, through appropriate processes. We aim to mitigate negative impacts of waste management by landfilling, thereby reducing greenhouse gas emissions into the atmosphere.

From the past operations, S&P has implemented waste management projects with exemplary results. This includes initiatives such as promoting the use of reusable bags through the “Say Goodbye Plastic Bags” campaign. We produce eco-friendly fabric bags to encourage customers and employees to use cloth bags instead of plastic ones. Furthermore, S&P has **reduced plastic usage in the factory** by replacing paper crates with reusable product baskets for transportation, encouraging employees and suppliers to minimize plastic usage that contributes to waste. Additionally, we have launched the “This bottle is not used...We want” project to recycle unused plastic water bottles into fiber strands for employee uniforms, aiming to raise awareness among customers and employees about the benefits of recycling resources in a circular economy for maximum utility.



Waste disposal management

S&P is committed to the importance of garbage and waste management throughout the value chain, focusing on reducing waste from various sources such as eggshells from bakery production and paper crates from product transportation from distribution centers to stores. This is achieved through the implementation of the 3Rs principle; Reuse, Reduce, and Recycle. S&P also raises awareness among employees, customers, consumers, and suppliers throughout the value chain about the importance of waste management. This includes waste generated from internal food production processes, bakery factories, S&P stores, and the Head Office, aiming to manage resources sustainably across the system.

S&P segregates waste into four categories:

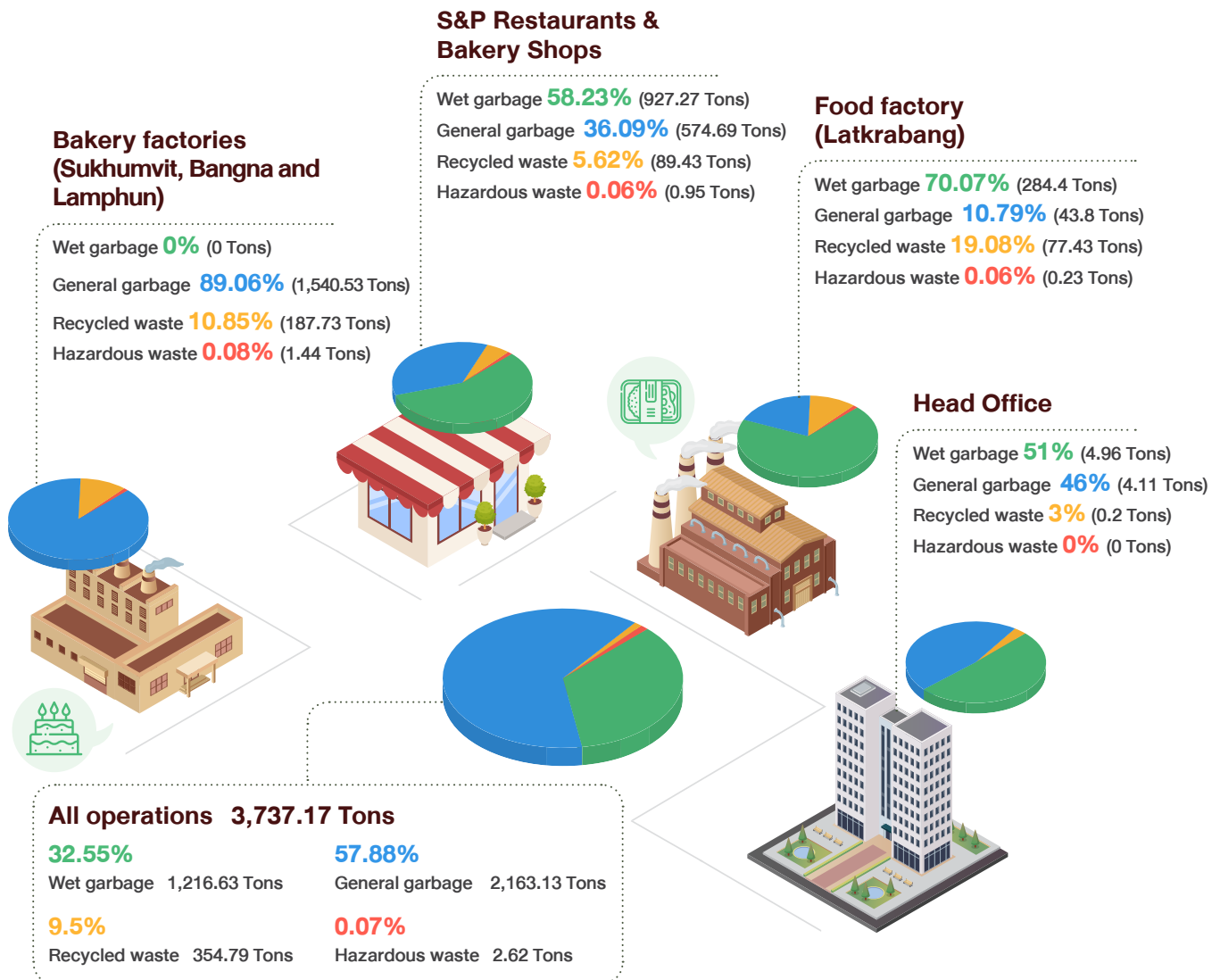


S&P records the amount of waste in each type daily and summarizes quarterly reports to present operational performance at the meetings of Corporate Governance and Sustainability Working Group. This is done to find ways to manage and systematically reduce waste generation. Each area, including bakery factories, food factories, S&P Restaurants & Bakery shops, and offices, has waste management guidelines tailored to its specific needs.



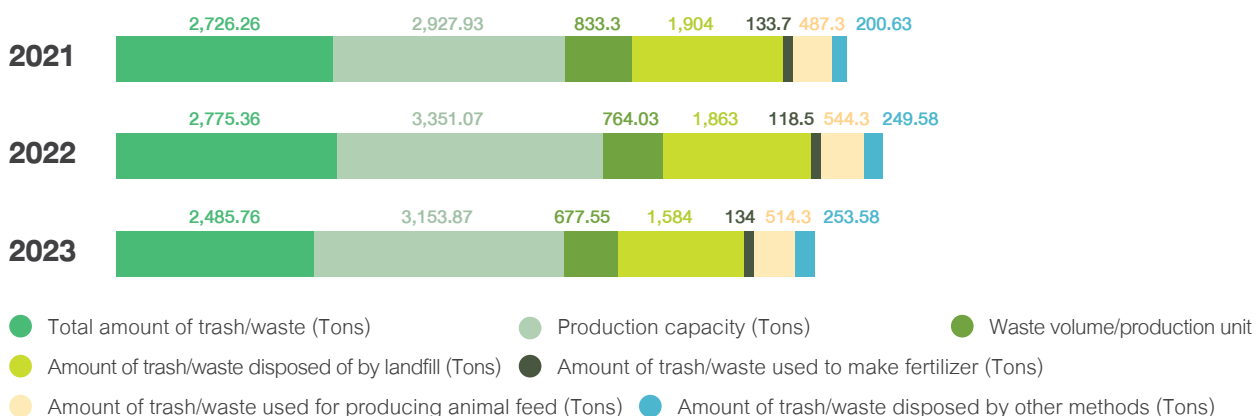
Summary of operational performance in 2023

Waste amount sorted by origins



Note: For hazardous waste at S&P shops, S&P collects data in number of pieces. This is because such waste types are not abundant and do not occur daily. Hazardous waste at storefronts mostly consists of disposable water cup fragments. Therefore, the quantity of hazardous waste (pieces) is multiplied by the weight of a disposable water cup, which is 200 grams, representing hazardous waste at outlets.

Waste volume separated by management method



Note: The quantity of waste, categorized by management method as shown in the table above, covers reports from 4 factories; Bakery Factory of Bangna-Trad Km.23.5, Bakery Factory of Sukhumvit 62, Bakery Factory in Lamphun Province, and Food Factory in Latkrabang.

Reducing Bakery Waste Performance

Product	Bakery Waste (Million Baht/Ton.)						Bakery Waste compare with 2018 (%)				
	2018 (Million Baht)	2019 (Million Baht)	2020 (Million Baht)	2021 (Million Baht)	2022 (Million Baht)	2023 (Million Baht)	2019	2020	2021	2022	2023
Bakery Waste (Million Baht/Ton.)	234	219	199	129.6	168.33	201.77 (404.9 Tons)	-6.40%	-14.96%	-44.57%	-28.06%	-13.77%
Categorized by the top 6 groups with the most waste											
1. Fresh Cake	42.76	39.81	38.48	33.64	40.47	41.25 (108.8 Tons)	-6.90%	-10.00%	-21.33%	-5.36%	-3.53%
2. Pastry & Pie	71.00	66.70	58.30	32.60	37.10	45.03 (103.72 Tons)	-6.00%	-17.89%	-54.08%	-47.75%	-36.58%
3. Pound Cake	64.80	66.50	47.70	39.30	31.30	42.74 (22.72 Tons)	2.60%	-26.39%	-39.35%	-51.69%	-34.04%
4. Packaged Cake	62.40	52.20	53.20	38.20	23.40	26.99 (42.16 Tons)	-16.34%	-14.74%	-38.78%	-59.34%	-56.75%
5. Bread	12.99	13.51	12.92	8.02	11.45	16.34 (75.51Tons)	4.00%	-0.54%	-38.26%	-11.86%	25.79%
6. Sandwich	19.70	16.50	15.50	8.90	8.90	14.24 (235.83 Tons)	-16.24%	-21.32%	-54.82%	-54.80%	-27.72%

Note: Since 2022, the company has restructured the S&P product group. The sandwich group will be included in the food category. But because in the report there will be an explanation of surplus food management through the S&P Food Rescue project, The sandwich group will also be reported in this report.

Additional information can be found at <https://www.snpfood.com/th/sustainability/sustainability-goals-performance>



Highlight Projects in 2023

Knowledge training project “Waste Sorting”

S&P Syndicate Public Company Limited recognizes the importance of waste management from the source. By sorting waste properly, it can be forwarded and disposed of correctly, thereby helping to reduce the problem of landfill waste that contributes to global warming and reducing the country's waste disposal costs. Through instilling awareness and training employees within the organization on waste sorting via the E-learning system, the “Waste Sorting” course is provided. Trainees must pass a test with a minimum score of 80% to meet the criteria.

Objectives

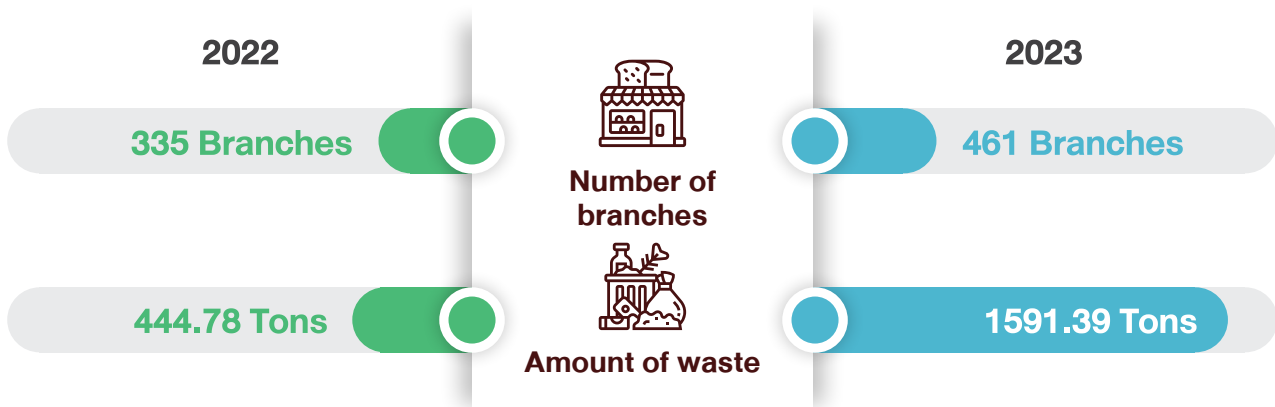
1. To promote and raise awareness in waste sorting, addressing environmental issues from the source.
2. To reduce waste in stores and dispose of it properly, maximizing its benefits.
3. To raise awareness in proper waste disposal to mitigate environmental issues.

Results and Benefits

- 4,562 employees participated in training, with 1,920 passing the exam, achieving a pass rate of 42%.
- In 2023, the waste sorting project expanded to 461 branches, up from 335 branches in 2022, resulting in an increase in waste quantity.



Number of sales points participating in the waste sorting project



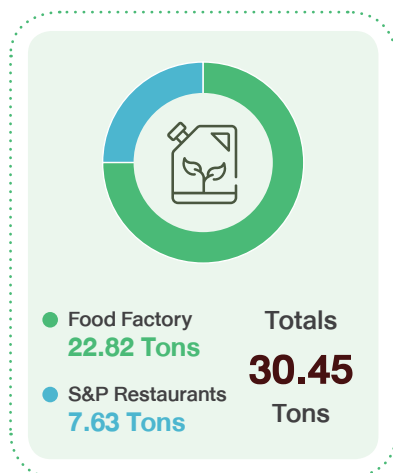
Fried to fly Project

S&P Syndicate Public Company Limited, in collaboration with Bangchak Corporation Public Company Limited, transfers used cooking oil from both S&P restaurants and the Latkrabang food factory through the Fried to fly Project. This initiative aims to promote not discarding used cooking oil into public areas to prevent improper waste disposal, which could have adverse environmental impacts, and to promote not reusing oil, which could have health implications due to oil degradation and transformation into harmful substances for consumers' bodies. Additionally, the used cooking oil is processed into Sustainable Aviation Fuel (SAF) which can reduce carbon dioxide emission by up to 80%. This initiative adds value and creates a sustainable supply chain for used cooking oil. S&P joined the project on 1st October, 2023.

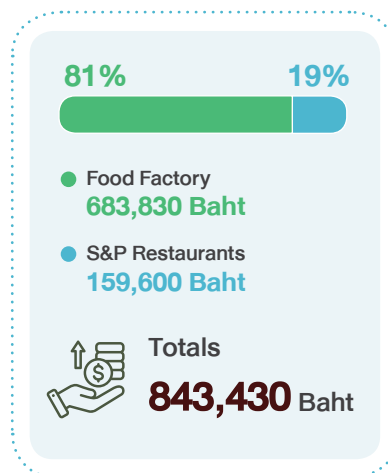


Results and Benefits

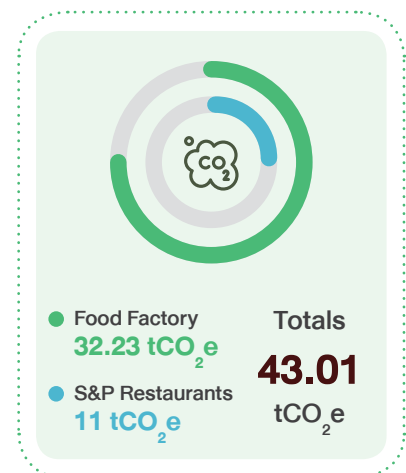
- In 2023, totaling 30.45 tons.
- This reduction is equivalent to mitigating 43 tons of carbon dioxide emission.
- S&P 113 branches, transferring used oil 7.63 tons.
- and the Latkrabang food factory transferring over 22.82 tons.



Oil for Sustainable
Aviation Fuel



Return to money



Reduction Greenhouse
gas emissions



Environment



Social



Governance and Economy



S&P Food Rescue Project

For the past three years, the company has partnered with the Scholars of Sustenance Foundation (SOS) to implement the S&P Food Rescue Project. The project aims to distribute surplus food and bakery from sales to needy communities based on the foundation's allocation. The particular project involves collecting surplus bakery items of high quality that are suitable for consumption and in good condition. In 2023, the company transported surplus bakery items from 39 locations, including shops in Bangkok, Prachuap Khiri Khan, Phuket, and Chiang Mai, to maximize the use of surplus bakery. This initiative helps minimize the environmental impact of greenhouse gas emissions while promoting good health, happiness, and vitality among the Thai community.





Results and Benefits

- Delivery of surplus bakery products from production for 48,238 kilograms, equivalent to 202,598 meals.
- Reduction of greenhouse gas emissions for 122,045 metric tons of carbon dioxide.
- Equivalent to reducing household electricity consumption by 8,482 days from reducing food waste and cooking in households.



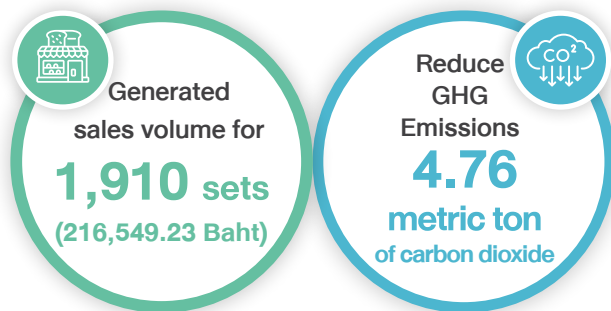
S&P x Yindii project

S&P, in collaboration with the Yindii application, delivers surplus bakery from S&P outlets by offering a random bakery set of Fresh Bake products or food that must be consumed within the day of purchase, with a value of 300 to 320 baht for sale at a set price of 150 baht. By offering discounted prices, the company satisfies the demand of customers who prefer on-the-go consumption while maintaining affordability. The goal is to reduce the amount of food waste that would otherwise need to be disposed of by landfill, which leads to the release of methane or other greenhouse gases into the atmosphere. This is to reduce the impact of the problem of food waste and to protect the environment from the effects of global warming.

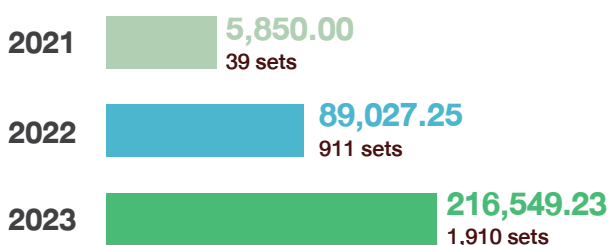
In 2023, the company expanded its sales points to a total of 74 branches, with 1,910 sets of food sold. This project is considered to be one that effectively manages surplus bakery.

Results and Benefit

- Generated sales volume for 1,910 sets.
- Generated revenue for 216,549.23 Baht.
- Reduced landfill waste from surplus food and potential greenhouse gas emissions by up to 4.76 metric tons of carbon dioxide.



S&P x Yindii (Baht)

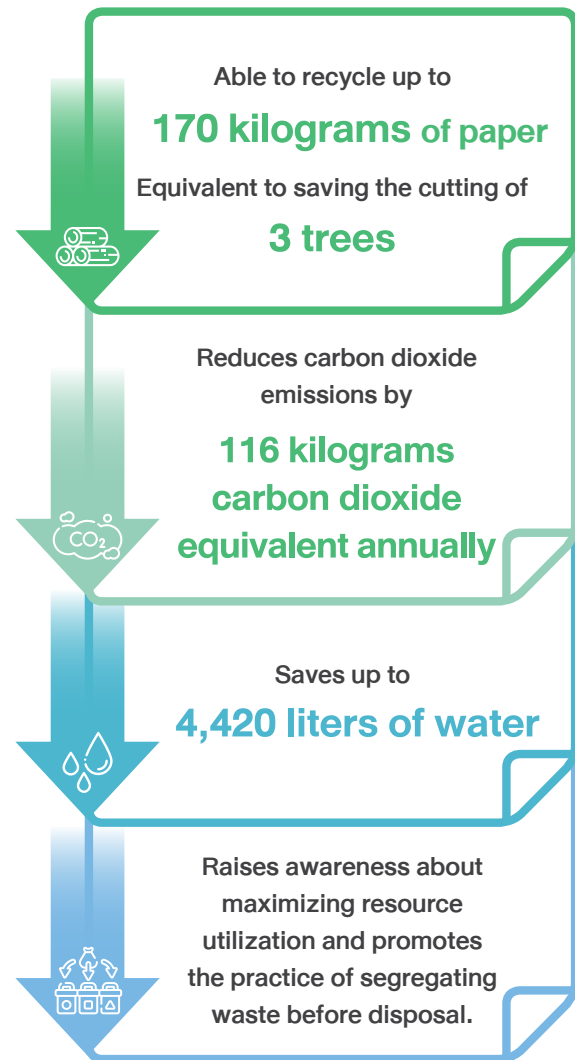


‘SCG Paper X’ Project initiated by S&P in collaboration with SCGP

S&P Syndicate Public Company Limited in collaboration with the partner “SCG Packaging” or SCGP conducted the ‘SCG Paper X’ Project. The project aims to continuously exchange old paper for new paper. The unused paper from the paper waste separation process of S&P is collected and transferred to SCGP for recycling. This can create added value for used paper following the SCG circular way. The black and colored paper waste from the main offices are recycled to produce new items such as paper bags, furniture, etc. This process involves recycling the unused black and colored paper, bringing it into the recycling process, and manufacturing it into new products.



Results and Benefits



“This bottle is not used...We want” Project



S&P Syndicate Public Company Limited, in its fourth consecutive year, is an environmental initiative aimed at recycling plastic bottles. “This bottle is not used...We want” Project was conducted. These bottles are recycled and transformed into new items following the principles of the circular economy by utilizing unused resources to generate added value and maximize benefits. By delivering plastic bottles to YouTurn by GC for promotional purposes, the project aims to raise awareness among employees and customers about the importance of the environment. It encourages proper waste segregation to maximize the use of unused resources and minimize plastic waste generation. In 2023, S&P send recycled bottles into 16,640 upcycling shirts of employees. This sustainable approach does not only contributes to environmental conservation but it also fosters pride in employees and customers.



Results and Benefits

- In the year 2023, S&P collected unused plastic bottles from 16 collection points, including Head Office, food factory, bakery factories, and S&P outlets.
- A total of 2,638 kilograms of plastic bottles were collected for recycling.
- Since 2020, S&P has accumulated and forwarded 6,840 kilograms of plastic bottles for recycling.

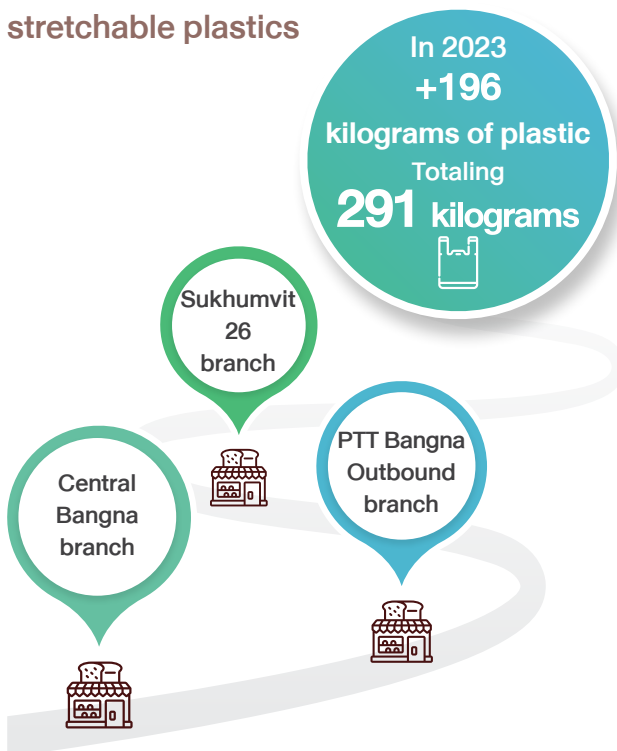
Plastis Bag Recycle Project by S&P in collaboration with TPBI

S&P Syndicate Public Company Limited in collaboration with TPBI Public Company Limited or TPBI involves forwarding clean and stretchable plastics such as plastic bags, bread bags, plastic films, etc., to the recycling process to produce new items, following the Circular Economy concept. This initiative aims to maximize the benefits of plastic recycling and reduce plastic waste pollution in the environment.

In 2023, S&P expanded the collection points for stretchable plastics to three locations; Sukhumvit 26 branch, PTT Bangna Outbound branch, and Central Bangna branch. These locations were able to collect up to 196 kilograms of plastic, totaling 291 kilograms of accumulated plastics.



The collection points for stretchable plastics



ถูกต้อง...ได้
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ทุก 1 กิโลกรัม = 5 บาท
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