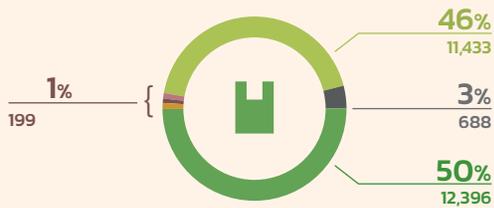


Plastic Consumption

Percentage of Plastic Consumption (Plastic Packaging / Plastic Bags / Single use Plastic)

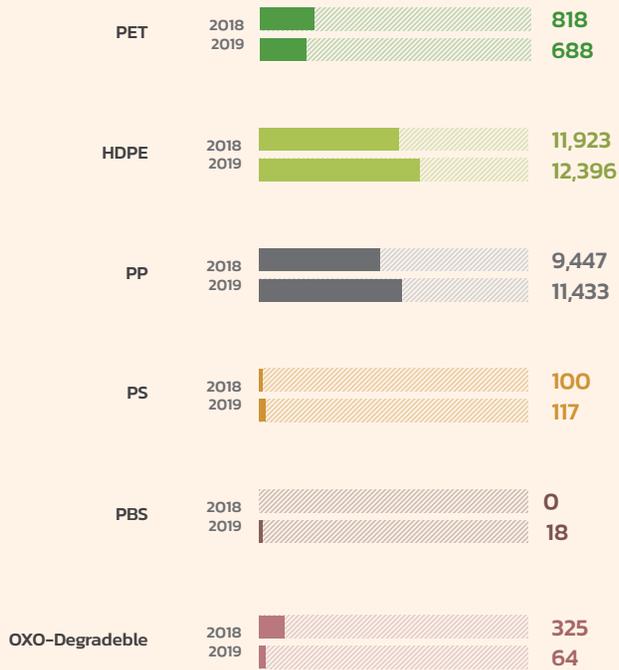
- PET
- HDPE
- PP
- PS
- PBS
- Oxo-Degradable



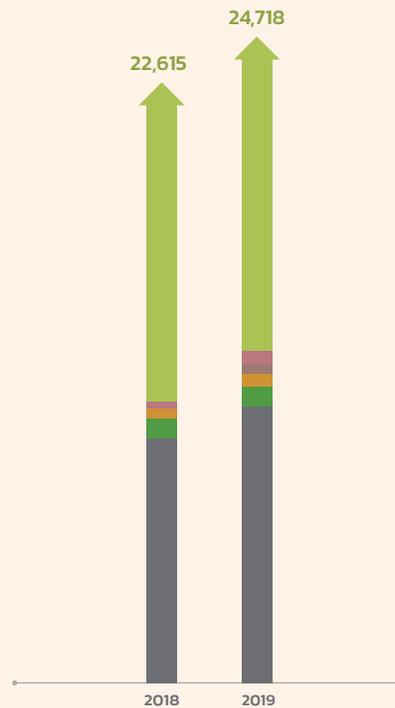
- Total plastic consumed (million pieces)
- Total plastic consumed per stores (million pieces per stores)



Percentage of Plastic Consumption by type (tonnes)



Total Plastic Consumed (tonnes)



Note: Scope of plastic consumption data (Plastic Packaging / Plastic Bags / Single use Plastic) provided from CP ALL Plc. only

3. Green Packaging

The Company aims to continuously “Decrease and Discontinue” plastic bag usage. Policy and guideline on packaging have been established, along the goal to reduce amount of waste landfilled to minimum. The Company planned out a Roadmap consistent with the Government’s plastic waste management plan, which aims for 100% reuse of plastic by 2027. The plan is to reduce waste generated at source. However, there remains exceptions for plastic usage in products requiring it, such as ready-to-eat meals. The plan is substantiated with promotion of environmentally-friendly packaging to reinforce awareness of entrepreneurs and consumers alike, encouraging them to opt for environmentally-friendly packaging. This consists of several projects, which can be categorize according to the primary measures, as follows.



The 1st Measure
To decrease and discontinue plastic at-source, through development of eco-friendly packaging



The 2nd Measure
To decrease and discontinue plastic consumption by driving for a decrease and a discontinuation of single use plastics



The 3rd Measure
To manage post-consumption plastic waste through support and promotion of plastic waste reuse and recycling (circular economy)

Note: The 3rd Measure will be mention in Chapter “Protecting the Ecosystem and Committing to Being Green”

Thai Government sets the goal to Phased out for 7 types of single-use plastics

Products to be phased out by 2022 comprises

- 1 Water bottles’ Cap seal
- 2 Products with ingredients containing OXO
- 3 Microbeads

Products to be phased out by 2025 comprises

- 4 Plastic bags whose thickness is less than 36 microns
- 5 Food-containing foam packages
- 6 Single-use plastic cups
- 7 Plastic straws

Note: Thai Government determine that the Modern Trade business have to phased out shopping bags whose thickness is less than 36 microns since January 1, 2020. However, it has temporality allow to grant of usage with 4 categories of products. For CP ALL Plc., warm food products and fruits has arrange to this exceptional category

1 7 Go Green 24/7

7 Go Green 24/7 is a project focuses in improving packaging used in 7-Eleven stores, opting for those made of natural and bio-degradable materials. This can be achieved through multiple of initiatives, such as “Green Cups,” which are biodegradable, to be used with a drinks from dispensers, and 7 Select and All Café beverages. Furthermore, there are the projects to switch materials used for wrapped straws to papers. Nowadays, over 300 branches have started using packaging made from natural materials. These are locations in hospitals, universities, and tourist attraction along the coasts. The implementation has been expanded to over 300 branches, within hospitals, universities and islands that are important natural attractions store branches.



2 PVC Phase Out Project



Furthermore, for National Brand products, the Company has also requested for Critical Tier 1 suppliers’ collaboration to discontinue PVC. 16 from 51 Suppliers (31%) had collaborated in 2019.

3 Plastic Consumption Reduction to be Achieved through Packaging Design

3.1 In 2018, the Company has improved the production process of cooked rice containers, changing from injection to thermoform instead. Later in 2019, the Company continues to move forward in developing ready-to-eat meals' packaging to be more environmentally friendly. There are new designs, as follows.

Cooked Rice

Changing stickers on the lid to a printing on the side to reduce the need for plastic. Reducing material preparation process for recycling. Reducing non-recyclable waste by **24** tonnes in 2019, from **5** million containers used per month.

The diagram illustrates the change in packaging design for cooked rice containers. It shows three stages: 1) A container with a sticker on the lid. 2) A container with the sticker moved to the side. 3) A container with the sticker completely removed and replaced by side printing. Red arrows point from the top row to the bottom row, indicating the transition.

3.2 Adjust, modify, resizing the size and thickness of plastic bags for warm food products. Meal bags are used to replace L-size plastic bags, making it more function appropriate. There are 70 million Meal bags used in 2019. This means the efforts reduce as much as 133 tonnes of plastic usage per year.

70 million Meal bags used in 2019

133 tons of plastic usage per year

3.3 Change a 1-hole rice tray in square shape by adjusting the plastic lid become a top seal

1-hole rice tray with square shape (Crab and shrimp fried rice)

From having a closable lid and a sticker on top, the design was shifted to having a top plastic seal to reduce the amount of plastic require, the sticker and other non-recyclable waste by **34** tonnes in 2019. The post-consumption can be as much as **1.1** million containers per month.

The diagram compares two designs for a 1-hole rice tray. On the left is a traditional tray with a separate lid and a sticker on top. On the right is a new design where the lid is integrated into the tray's top edge, creating a top seal. The new design is shown in a square shape.

4 Foam Phase-Out at 7-Eleven Stores

The Company is committed to phase out polystyrene foam in 7-Eleven stores, in alignment with the campaign from Department of Health. The aim is to raise awareness to entrepreneurs and consumers in opting for environmentally friendly packaging instead of foam packaging. The latter can be damaging to health, and is difficult to naturally degrade. Furthermore, the Company also promotes 'decrease and discontinue' of single-use foam packaging, aspiring to become a 100% zero-foam packaging organization. In conjunction, Siam Makro Co. Ltd., a subsidiary under CP ALL Plc. has also announced

the intention to stop distribution of food packaging made from foam. The project is called "Say Hi to Bio, Say No to Foam", inviting you to use environmentally friendly packaging." A total of 12 Siam Makro branch stores has piloted the project. Participating branches comprises Phuket, Krabi, Thalang, Samui, Rawai, Lamai, Pha-Ngan, Patong, Koh Chang, Ao-Nang, Karon and Ban Phe. The Company promotes entrepreneurs to opt for more eco-friendly products, which is one of the approaches to minimize environmental impacts.

5 Paper Gram Reduction in Cups

A Phase II Paper Gram Reduction in Cups Project has collaboration with suppliers whose producing paper cups for the Company, comprises of KMP Company Limited and CPPC Company Limited. The goal is set to reduce paper consumption and standardization the paper grams of the cups to be consistent. Forecasting, this project will be deploy throughout the country and reduce paper usage by 145 tonnes by 2020.

6 Reduce Plastic Consumption and Enhance Recycling

Changing film packaging of hot sandwiches, from multi-layer film to one-layer film. The latter is mono materials and monolayer, therefore ensuring greater ease in waste management. The project was executed in collaboration with NSL Company Limited (supplier) and TAK Company Limited (packaging dealers). This project remains in development process.

7 Utilize Raw Materials from Sustainable Replacement Forests



Examples of verified PEFC packaging

Beyond aforementioned program, as derived from packaging policy, the Company is also committed in utilizing resources from sustainable sources. The approach is put in collaborative efforts of packaging development with a supplier, Tri Sam Company Limited to ensure that the papers sourcing from sustainably managed, regulated forests and certified with PEFC. In 2020, the company has developed the hot sandwiches’ box with PEFC labeling as much as 985 tonnes of product. Moreover the Company was executed in collaboration in straw wrapped paper development with a supplier, B&B Strawpack Company Limited, there are the projects to switch materials used for wrapped straws to papers. These are locations in islands, universities, hospitals and parks. These have been certified for FSC. As of 2019, consumption was at 32 tonnes by the year.

4. Green Living

CP ALL Plc. Is committed to operate according to plastic reduction campaign. Raising awareness and understanding to youths, community, employees and customers, is part of the efforts to reduce plastic bags. This demonstrates the Company’s commitment to instill environmental considerations. An example would be the program ‘Reducing a bag a Day, You can do it.’ The program re-adjusts consumers’ behaviors to refuse plastic bags, and has been deployed continuously. In 2019, each plastic bag rejection equates to 0.2 Baht, which will be donated to 77 local hospitals for their medical equipment purchase. Similarly, it is also the efforts in environmental conservation – facilitating towards more sustainable society. The project has public relations campaign through advertisement, under the concept, ‘The best promise is actionable one.’ The concept were expressed by Khun Toon Artiwara and BNK 48. In 2019, the Company was able to reduce plastic consumption by 1,152 million bags

in accumulation. It was able to reduce GHG emissions by 23,476 tonnes CO₂e, and donated a total of 134 million baht to siriraj hospital and 77 local hospitals. Similarly, in response to the Government’s policy driving for plastic bag ban; the company has organized a press conference, ‘Thais Assemble, Refusing Plastic Bags’ in 2020. The goal is to conserve the environment. It has been announced that from 1st January 2020 onwards, all 7-Eleven stores across Thailand encouraged customers to refuse and bring their own cloth bags, or opt for other packaging with eco-friendly materials.



Simultaneously, CPRAM Co. Ltd, a subsidiary under CP ALL Plc. is committed to campaign for reduction of plastic bag consumption. Their efforts culminate in “CPRAM Green Life Project,” through raising of public awareness for efficient resource consumption, and encouraging behavioral change to decrease and discontinue usage of non-eco-friendly products. CPRAM has organized knowledge-sharing activities for employees, ‘Zero Waste Station’ activity, which enhance employees’ understanding on waste sorting and its benefits. There are also, ‘Energy-Saving’ activity, which shares how energy can to use energy effectively. Such activity reinforce employees’ consideration when it comes to resource usage. There are also ‘Cloth-Bag Painting’ activity, which let employees to create their own patterns and use their self-designed bags instead of plastic bags. Participation fees is at 20 Baht, and is donated to buy lunches for underprivileged children. There are also, ‘Eat Good No Food Waste’ activity which shares knowledge on how to reduce food waste, one of the most prevent challenges at present. Employees also learn how to grow organic vegetables from farmers themselves. Similarly, CPRAM also gives out cloth bag to employees to encourage phase-out of plastic bags in 7 corporate branches. The branches are, Lad Lum Kaew, Lad Krabang, Bo-Ngern, Chonburi, Khon Kaen, Lumpoon, and Surathani. In 2019, the reduction accumulates to 176,000 plastic bags (from October 2018 – September 2019) with total GHG emissions reduction by 4.14 tonnes CO₂e.

Low Carbon City

CP ALL Plc. in collaboration with Thailand Greenhouse Gas Management Organization (TGO), United Nations Development Plan of Thailand (UNDP Thailand) have signed an agreement to work together and realize sustainable development goals. This comprises campaigning for reduced plastic bag consumption, and promotion of energy efficiency through sustainable management system. This was pilot in 5 provinces, consisting of Chiang Mai, Khon Kaen, Nakhon Ratchasima, Phuket and Koh Samui, Surathani. The collaboration focuses in addressing plastic waste management, and promotes development of urban environment to community, society, as well as Thailand. In tandem, the goal is to reduce greenhouse gas emission, the key factor behind global warming, and to drive the city towards sustainability – before expanding to across the country.



Carbon Label Participation

The Company has received Carbon Footprint assessment for its products, registered and labelled Carbon Footprint label on their products. The labels enable consumers to be part of GHG emissions reduction efforts. The Company currently proceed to register the Carbon Footprint Labelling by Thailand Greenhouse Gas management organization (TGO) with 5 products comprising “Rice topped with stir-fried pork and basil”, “Rice topped with stir-fried shrimp and basil”, “Crab Dumpling”, “Big Minced Pork Bun” and “Big Minced Pork with Salty Egg Bun”. These products are certified of Carbon Footprint for

Products (CFP). Two products namely, “Big Minced Pork Bun” and “Big Minced Pork with Salty Egg Bun” were certified the Carbon Footprint Reduction (CFR), and the Carbon Footprint for Organization (CFO) in 1 organization.



Carbon Footprint for Products Label

5 Products Certified



Carbon Footprint for Organization Label

1 Organizations Certified