

Community and Social Development



The Company has been taking part in the development of the well-being of Thai society since the establishment with the “Green Society” strategy and community-relation specific strategy, “SUCCESS” to consistently support, protect, address, and respond to the community/society expectations by considering the impacts to them such as safety from operation and process of the Company to neighboring communities and society, environmental management and pollution control, and community health and well-being from the Company’s main businesses (refineries and oil service stations). Currently, the Company also emphasizes the importance of human rights and biodiversity.

Community Relations Strategic 2023 - 2027



Human Rights Operations: Communities

Social License to Operate

Operate with safety and emphasis on the environment

Community Development and Involvement with the community relation activities

Reference: Analyzed and divided into various dimensions based on relevant human rights risks (communities), 5 types of human rights (according to internationally accepted principles) and the Universal Declaration of Human Rights 1948 (B.E. 2491).



In 2023, the Company has conducted the following:

1. Bangchak Caring for Neighbors (Disclosure 413-1)

Strategy and Targets for 2023-2028

The refinery is the crucial area of operation for the Company (90%) (Disclosure 413-1). In our community relations endeavors, the Company has categorized the target residents in the vicinity of the refinery into four subgroups. This segmentation allows us to appropriately respond to the unique needs and expectations of each group, while prioritizing human rights and equality. The predominant expectations revolve around: (1) Continual Improvement of Quality of Life and Economic Well-being: Despite the gradual recovery from the COVID-19 situation, economic stability remains elusive. Our efforts include health check-ups, provision of eyewear, and income generation support for the community. (2) Support / promote the economy and generate recurring income for the community (3) Safe Business Operations and Community Security: The Company actively supports community safety through initiatives such as installing closed-circuit cameras,

conducting fire safety training and fire drills, installing fire extinguishers with regular inspections, and installing and repairing community lights. (4) Education Support: Our commitment extends to education, including continuous scholarships, provision of clothing, educational materials, sports equipment, and food assistance. (5) Environmental Enhancement: We promote environmental stewardship by planting trees, landscaping community spaces, supporting waste separation, and purchasing waste and used cooking oil. (6) Proactive Communication for the Company's Implementation Plan and emergency Communication and Response suddenly (7) Continuous Activities that directly respond to the needs of the community equally and thoroughly (8) Community Engagement in Activities that promote the well-being of the community and society. (9) Ongoing COVID-19 Prevention Support despite the recovery.



Estimated Population



Community

10 Communities in Bangna/
Phra Khanong District
1 Military Flat
1 Bang Nam Phueng Subdistrict, Phra Pradaeng
District, Samut Prakan Province.
17,885 Persons



School

19 Schools in Bangna and Phra Khanong
District, and Bang Nam Phueng Subdistrict
14,363 Persons



Family

5,098 Household that subscribed
to Leaf Family Newsletter
5,098 Persons



Condominium

29 Project in vicinity of the refinery
6,316 Persons



Participants (Persons/Percentage*)



Community

61,894 Persons



School

28,726 Persons



Family

6,578 Persons



Condominium

4,360 Persons



Social Investments THB 20.32 million (Development and Donation Budgets)



Community

Development Budget



Donation Budget



School

Development Budget



Donation Budget



Family

Development Budget



Condominium

Development Budget



* Percentage of the participants who join the community relation activities in all groups in 2023 = 101,558 persons (Double Count)

The Company defined the strategy for community relations and related activities in 8 dimensions covering the foundation of needs and support for daily lives regarding human rights and equality in both fundamental needs and rights protection including safety, education, quality of life, environment, economy, relationship and cultural preservation, music and sports, and public benefits. In 2023, the Company organized over 177 activities, benefiting 101,558 individuals through these initiatives.

2023 Target



Community Relations Plan

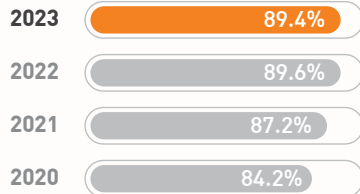
- Organizing activities that align with the needs of the community in a suitable and consistent manner, fostering friendliness, benefiting, ensuring safety, securing commitment, and maintaining a license to operate based on human rights and equality principles.
- Communicating effectively, transparently, comprehensively, and consistently through diverse media and communication channels while tailoring communication to target audiences while ensuring alignment with human rights principles and avoiding infringements on human rights.

Operating Results in 2023

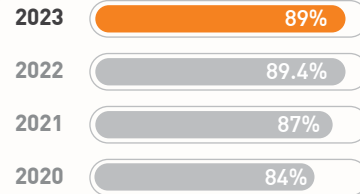
The Company has received positive evaluations in all 4 aspects, namely engagement, safety, friendliness, and benefit, surpassing the targets, with a consistently improving trend since 2020. The results are as follows:



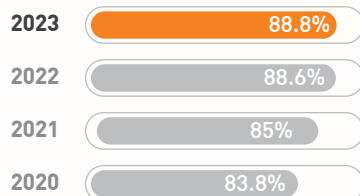
Aspects : Friendliness



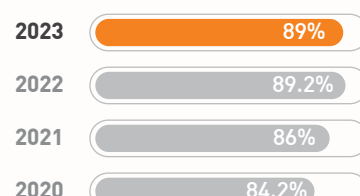
Aspects: Benefit



Aspects: Safety



Aspects: Engagement



The satisfaction rate for participating in the Company's community engagement activities scored 96.3%, with no complaints from the community.

Communication with the Community

The Company has ensured appropriate communication channels with various groups residing near the Bangchak refinery, utilizing diverse methods. The results in communication include 354 communication events reaching 43,662 target individuals, covering- 10 communities, 5,098 households, 19 schools, and 29 condominiums. The communication channels utilized include:

- On-site community relations staff discussions and direct phone calls.
- Community engagement activities tailored to meet the needs and reach the target groups consistently.
- Line groups for community committees, condominium residents, management executives, and teachers residing near Bangchak Phra Khanong Refinery area.
- Intra-community feedback (controlled and directly connected from the control room within the refinery).
- Public relations boards in the community and condominiums.
- "Krob Krua Bai Mai" (Leaf Family) leaflets and Krob Krua Bai Mai Bangchak Facebook page for family groups.
- Other media and communication channels as detailed in the table below.

Communication with Stakeholders

Media / Communication Channels	Target Group				Resp.	Status
	Community	Family	Condominium/ Military Flat	School		
1. Wired Speakers	✓				CAF Co. with MSD	Ongoing - Depending on activities/ events
2. Printed Media					CAF	
- Krob Krua Bai Mai Pamphlet (Hard Copy/ e-Book)		✓	✓ (Condominiums only)			Bi-monthly
- Poster Banner Leaflet/ Sticker/ Calendar/ BCP's Contact Number /Other important information	✓	✓	✓	✓		Depending on activities/ annual events
3. Social Media					CAF	
- Line Group (For coordination)	✓		✓	✓		Ongoing - Depending on activities/ events
- Krob Krua Bai Mai Facebook Page		✓				Ongoing - Depending on activities/ events
4. Personal Media					CAF Co. with Stakeholders	
- Public Relations Officer (On-site/ Telephone/ Other)	✓	✓	✓	✓		Ongoing - Depending on activities/ events
- Coordination via community chairperson/ board	✓					Ongoing - Depending on activities/ events
- Coordination via condominium juristic person/ military flat person in charge			✓			Ongoing - Depending on activities/ events
- Coordination via the school principal / teacher				✓		Ongoing - Depending on activities/ events
5. Other					CAF Co. with CMD CAF Co. with ECD&MSD CAF	
- Bangchak's Call Center	✓	✓	✓	✓		Ongoing - Depending on activities/ events
- Air Quality Display Screen	✓	✓	✓	✓		Ongoing - Depending on activities/ events
- Community Relation Activities	✓	✓	✓	✓		Ongoing - Depending on activities/ events

Organizing Beneficial Activities to the Community and Society in 2023

The projects/activities carried out by the Company in 2023 primarily reverted to normal offline formats, with almost 100% of them being conducted in person. Only a few projects/activities remained online due to their rapid, convenient, flexible, and suitable nature, aligning with the survey results indicating a desire for a full return to in-person activities. Approximately 90.85% of the Company's target groups agreed to resume normal face-to-face activities. Key projects/activities conducted include:

Economic Aspect:



The Company develops economic projects with a fundamental emphasis on prioritizing and considering human rights and equality, both in terms of economic rights, women's rights, international conventions, Universal Declaration of Human Rights -Article 25 :Everyone has the right to a standard of living adequate for the health and well-being, through various significant economic projects in the year 2023 as follows:



“Bangchak Sarng Ngarn Pun Archeep (Job Creation)” Initiative to Bolsters Local Economy Conceptual Framework and Roadmap



The Company has been operating The “Bangchak Sarng Ngarn Pun Archeep” project (formerly known as the “Community Economic Development Project”) since 2013. The project operates under the following strategies:

Building Foundation

The Company aims to build a strong economic foundation for its community neighbors by supporting job creation, providing vocational training, and developing skills that can be used to generate additional or main income. This is done based on the individual’s potential after receiving training. This helps to support the creation of knowledge, jobs, and careers for community members around the refinery who are interested in and need to create/increase income to cope with the economic situation, both in normal economic conditions and in economic downturns due to various situations. These situations can lead to unemployment, lack of jobs, and lack of income. The project has provided training in various vocational skills, such as the “Noodle Dish” cooking course, which teaches how to cook 6 types of various noodle dishes. Another course is the “Herbal Juice” course, which teaches how to make 15 types of herbal drinks, such as chrysanthemum tea and bael juice.

Generating Income

The Company aims to generate income, which is a basic necessity for life, for its community neighbors. This is done by building a foundation through supporting job creation, providing vocational training, and developing skills through the Bangchak Sarng Rai Dai Su Chum Chon project. The project continuously supports products and services from the community, community members, shops, and entrepreneurs in the communities around the refinery. This provides them with income to use for their daily lives and to support their families in normal economic conditions, as well as during periods of economic downturn and stagnation, such as the COVID-19 pandemic and global inflation. The project’s income generation activities for the community are divided into two types:

1. Conducting through Corporate Social Responsibility (CSR)-in-process. This involves supporting products and services from the community, community members, shops, and entrepreneurs in the communities around the Company for use or implementation in the Company’s various core business processes and activities on a continuous basis. For example, the Company establishes and manages community markets during Turn Around Maintenance (TAM) Periods. This allows shops and entrepreneurs in the community to sell food, drinks, and consumer goods, or box lunches, to contractors and employees working during that time. In addition, the Company orders food and snacks, supports products/handicrafts and services, such as renting vans from the community for use in various Company projects and activities. These include safety promotion, such as the annual emergency evacuation plan rehearsal (conducted annually), activities to promote safe working hours (conducted annually), and safety promotion activities during various festivals (New Year, Songkran). The Company also supports employee development, such as various employee training courses and employee engagement activities (New Year, Songkran, etc.). Finally, the Company supports community relations with surrounding communities, such as the Bangchak Youth Scholarship Project (conducted annually), the Bangchak Home Visit Project (various festivals, Songkran, New Year, Mother’s Day (conducted annually)), and other projects, such as Annual General Meeting (AGM).
2. Conducting through CSR-after-process. This involves supporting products and services from the community, community members, shops, and entrepreneurs in the communities around the Company for use or implementation in the company’s various post-core business process projects and activities on a continuous basis. This includes ordering food and snacks, supporting products/handicrafts and services, such as renting vans, for use in various post-core business process projects and activities, or projects and activities that are ad hoc/ short-term or occasional. These include visits to businesses/operations of external individuals/ organizations, the Bangchak Sharing Food project, which was organized to help shop/restaurant owners, and the sale/provision of goods and services both in the areas near the company and outside that were affected by the COVID-19 situation.

Building Sustainability

The Company aims to improve the economic well-being of its community neighbors to achieve the sustainability. This is done by building on the foundation of job creation, vocational training, and income generation through the Bangchak “Generating Income for Communities” project. The Company also supports products and services from the community, community members, shops, and entrepreneurs in the communities around the refinery on a continuous basis. To this end, the Company has begun to support the development and establishment of community enterprises in various forms and areas. The Company started implementing projects and activities to develop and establish community enterprises in 2019. This began with a survey of the economic needs of the community via the training on household accounting and worked with the community to find ways to develop sustainable income. This led to the development of the “Khun Jaew Clean Service” community enterprise project. This project involves a group of women from the neighboring community who have been trained in professional house cleaning by expert trainers. They offer cleaning services to condominiums and houses in the vicinity of the company and the community, generating sustainable income for the members and their families.

In 2023, the Company continues to operate the “Bangchak Sarng Ngarn Pun Archeep” project under the three strategies. In terms of building a foundation, the Company has implemented the “Bangchak Sarng Ngarn Pun Archeep (continued)” project. This project provides training courses in Thai desserts, teaching participants how to make 15 popular Thai desserts and calculate the cost of sales. The participants will also compete in a competition, and the winners will be selected to sell Thai desserts/snacks to the Company for catering on various occasions. The training was conducted by professional Thai dessert teachers/chefs from Dusit Thani College for a total of 5 days in September - October 2023. The project has created jobs for 15 households in the community, providing them with skills/jobs and ways/channels to create jobs/careers. This will help them to have income again and be able to manage important matters in their daily lives and support their families, such as paying rent, paying tuition fees, and repairing their homes, etc., in the future.

Generating Income

by Bangchak Builds Income for Communities Project (continued) by continuously supporting products and services from the community, community members, shops, and entrepreneurs in the communities around the refinery. This provides them with income for their daily lives and to support their families during periods of economic downturn and stagnation, even though the COVID-19 pandemic has improved and returned to normal. The Company supports the community by ordering food and snacks, supporting products/handicrafts and services, and using or implementing them in various Company activities. This helps shops and entrepreneurs in the community to generate income with 61 times of support to 216 households totaling 949,830 THB (886,830 THB for food/snacks/community products/services and 63,000 THB for van rental from the community).

Building Sustainability

with the support and co-develop projects in community enterprises in 2 groups as follows:

1. Supporting Project for the Bang Nam Phueng Large Farm Stingless Beekeeper Group. This project supports and develops beekeeping based on environmental conservation and biodiversity. The project works closely with the community to promote economic development, including expanding the number of beekeepers and beehives, developing products, and researching bee supplements. To ensure that the environment and various biological resources can exist naturally and sustainably in the best way possible, while also providing opportunities and channels for sustainable economic and income development for the community. As of 2023, there are a total of 100 persons/households that farm 500 stingless beehives and products derived from the bees, such as 1. Honey 2. Soap (Bar) 3. Premium Soap (Bar) 4. Shower Gel 5. Shampoo 6. Lotion 7. Balm 8. Herbal mosquito repellent (Items 2-7 contain honey, items 3 and 8 contain propolis). creating income for the groups and members of THB 312,090.

2. Bang Krachao Mangrove Palm Community Enterprise Development Project This project is implemented in collaboration with other networks working in the Bang Krachao area, such as Central Group and King Mongkut's University of Technology Thonburi. The project works to develop and establish the Bang Krachao Mangrove Palm Community Enterprise. The project supports the formation of a group of people from 6 communes in Kung Bang Krachao who aim to conserve the mangrove palm, which is a unique feature of the area's three-water ecosystem that support the biodiversity and shelter for various animals such as fish, shrimp, shell, and crab. The mangrove palm is a valuable plant for daily life and the economy, as it can be used for food,

housing, fuel, and various products that generate income. As of 2023, there are 6 main product group, such as 1. Fresh Sugar 2. Processed Syrup 3. Vinegar 4. Sugar Candy 5. Containers made from leaves 6. Local food dishes (e.g., coconut massaman curry, coconut custard). Moreover, There is a development of multipurpose hall to conduct activities/projects for the development of the products. This generated income for the group and its members of over THB 150,000. The operating results from the "Bangchak Sarng Ngarn Pun Archeep (Job Creation)" Initiative to Bolsters Local Economy in 2023 has generated income for the community of THB 1,411,920.

Bangchak Sarng Ngarn Pun Archeep Project (Initiative to Bolsters Local Economy)

Items and Amount from the Procurement to Support Products and Services from the Community (5 Years: 2019-2023)

Projects/Initiatives	Bangchak Sarng Ngarn Pun Archeep (Job Creation) Economic Activities - Procurement to Support Products and Services from the Community (By Year) (THB)					Total Amount (5 Years) (THB)
	2019	2020	2021	2022	2023	
Khun Kaew Clean Service	420,000	120,000	20,000	-	-	560,000
Pun Sook (Community Kitchen)	240,000	7,760,000	-	-	-	8,000,000
Pun Sook Food Box	-	-	430,000	-	-	430,000
Bangchak Pun Kun Im (Food Support)	-	-	1,245,930	-	-	1,245,930
Bangchak Dee Tor Jai	-	320,000	280,000	55,000	-	655,000
Food/Break Snacks/Other Products and Services	173,900	24,000	450,050	778,437	886,830	2,313,217
Van Rental for Employees and External Parties	25,252	2,020	24,242	2,200	63,000	116,714
Bang Nam Phueng Large Farm Stingless Beekeeper Group	-	-	-	182,925	312,090	495,015
Bang Krachao Mangrove Palm Community Enterprise	-	-	-	-	150,000	150,000
Total	859,152	8,226,020	2,450,222	1,018,562	1,411,920	13,965,876

Bangchak Sarng Ngarn Pun Archeep Project (Initiative to Bolsters Local Economy)

Items and Amount from the Procurement to Support Products and Services from the Community 2 Years Comparison (2022-2023) (Only Projects/Initiatives still in Operation in 2023)

Projects/ Initiatives	Bangchak Sarng Ngarn Pun Archeep Project (Initiative to Bolsters Local Economy) + Items and Amount from the Procurement to Support Products and Services from the Community 2 Years Comparison (2022-2023) (Only Projects/Initiatives still in Operation in 2023)					Total Amount (2 Years) (THB)	Average Income per Household (THB/ Household)
	2022	Average Income per Household (THB/ Household)	2023	Average Income per Household (THB/Household)	Change YoY (THB)		
Food/Break Snacks/Other Products and Services	778,437	4,230.64 (184 Household)	886,830	4,105.69 (216 Household)	No significant change (increase/ decrease) (Total income increase, but the average income per household decreased as the number of household increased.	1,665,267	4,163.16 (400 Household)
Van Rental for Employees and External Parties	2,200	2,200 (1 Household)	63,000	7,875 (8 Household)	- Total income increase 60,800 (2,763%) - Income per household increase 5,675 (258%) (Deviate from the increase of household)	65,200	7,244.44 (9 House- hold)
Bang Nam Phueng Large Farm Stingless Beekeeper Group	182,925	3,048.75 (60 Household)	312,090	3,120.90 (100 House- hold)	- Total income increase 129,165 (70.61%) - Income per household increase 72.15 (2.36%) (Deviate from the increase of household)	495,015	3,093.84 (160 Household)
Bang Krachao Mangrove Palm Community Enterprise	-	-	150,000	7,500 (20 Household)	Unable to compare the change as the project just commissions in the first year	150,000	7,500 (20 Household)
Total	1,018,562	4,157.39 (245 Household)	1,411,920	4,104.41 (344 Household)	No significant change (increase/ decrease) (Total income increase, but the average income per household decreased as the number of household increased.	2,375,482	4,033 (589 Household)

Quality of Life Aspect



The Company has undertaken projects focusing on improving quality of life based on the principles of prioritizing and considering human rights and equality, encompassing various aspects such as civil and cultural rights, children's rights, and the right to a standard of living and quality of life as outlined in Article 25 of the Universal Declaration of Human Rights. Furthermore, the Company has emphasized the right to cultural participation as stipulated in Article 27 of the Universal Declaration of Human Rights through significant projects aimed at enhancing different aspects of quality of life in the year 2023.

“Bangchak and Thais: Fight Against COVID-19” Project

Despite the improving situation surrounding the spread of the COVID-19 virus, which is expected to return to nearly 100% normalcy in the year 2023, the Company remains aware of the lingering impacts on both the quality of life and the economic well-being of our neighbors within the community. Recognizing the potential consequences if vigilance is not maintained, the Company continues to implement preventive and surveillance measures through projects with surrounding communities as follows:

- The Company distributed 20,000 boxes of face masks, over 8,500 liters of alcohol-based hand sanitizer, and 3,000 bottles of clean drinking water to residents in the community, condominiums, families, and staff/students in schools and governmental agencies around the refinery area. This project aimed to support neighbors with essential equipment and supplies for prevention and vigilance against infectious diseases, including COVID-19, and other illnesses in the future, in a suitable and continuous manner.

“Chumchon Sukkapab Dee” Project

The annual health check-up program for residents in the surrounding community of Bangchak Refinery is a recurring project that was temporarily suspended due to the COVID-19 pandemic but has resumed this year. With the improved COVID-19 situation allowing for a return to normalcy, the objective of the program is to support and promote preventive healthcare awareness among community members. The aim is to empower individuals to understand their own health status and take preventive measures or seek timely treatment if health issues are detected during the check-up. The program is conducted in collaboration with private hospitals in the area, such as Ruamjai Rak Hospital. Recently, the program provided health check-ups to 400 residents in the vicinity of the Bangchak Refinery over the course of two days in June 2023 of this year.

“Poo Soong Wai Hua Jai Online” Project

The project was initiated for the first time in the year 2023, following the results of a needs assessment conducted in 2022 and aligned with the Sustainable Development Goals (SDGs) and human rights principles aimed at supporting widespread development which specifically targets the

elderly population, with the objective of promoting and supporting their understanding and safe usage of technology and online/social media platforms. The primary goal is to equip elderly individuals in the community and family groups with knowledge that they can effectively apply to their daily lives. The project achieves this through training sessions and activities conducted 3 times in July 2023 of the past year with over 150 elderly individuals and family members from the community actively participating in the training sessions and activities.

Safety Aspect



The Company has developed safety-focused projects, based on prioritizing and considering human rights and equality, particularly regarding civil liberties and the right to a decent standard of living and quality of life as outlined in Article 25 of the Universal Declaration of Human Rights in 2023 as follows:

Bangchak Huang Yai Plot Phai Nai Communities, Schools and Condominiums Project

Conducting drills for community evacuation plans in case of emergencies, disaster evacuation exercises, fire extinguisher training, first aid workshops, and basic life-saving assistance training.

The Company conducts emergency evacuation plan drills, including fire and disaster scenarios, along with training sessions on fire extinguisher usage, first aid, and basic life-saving techniques for the community, teachers, students, and personnel in schools, as well as residents in condominiums around the refinery area. These drills are held regularly every year or at least biennially, based on the needs and suitability of specific target groups.

In 2023, the Company organized emergency evacuation plan drills and training sessions on basic fire extinguisher usage, first aid, and basic life-saving techniques such as CPR and assistance for choking and respiratory distress symptoms. These activities were conducted entirely online due to the COVID-19 pandemic, accommodating all target groups and enhancing the content, particularly for condominium residents. Additionally, separate training courses were conducted for schools, focusing on basic first aid, CPR, and the use of AED devices. This was in response to lessons learned from the Itaewon incident in South Korea. The Company provided these services to 8 communities, 14 schools (24 sessions, 2 courses), and 22 condominiums in the Phra Khanong-Bang Na area, ensuring that teachers, students, school staff, and community residents in condominiums were knowledgeable, understanding, and prepared to deal with various emergencies, disasters, and accidents. A total of 54 drills were conducted across all target groups, with 25,023 participants involved.

Environmental Aspect



The Company has developed environmental projects based on the principles of prioritizing and considering human rights and equality, particularly in terms of political rights, children's rights, and the standards outlined in Article 25 of the Universal Declaration of Human Rights concerning the right to a standard of living and quality of life in 2023 as follows:

Environmental Quality Improvement and Social Activities Development Committee

The Company aims to foster community and stakeholder engagement in jointly developing the refinery's environmental initiatives and social activities, including safety and other relevant matters. To achieve this, it collaborates with relevant government agencies and local communities to establish an operational committee for environmental quality improvement and social activities of the refinery for the year 2023-2026. This committee was officially formed in 2023 and consists of representatives from the Company, the refinery, government agencies, and community representatives, totaling 36 members. The objectives and responsibilities of this committee include coordinating and overseeing projects to ensure they are environmentally friendly, providing consultation, offering recommendations and solutions to environmental issues and community complaints, reviewing and providing feedback on operational procedures and practices that may impact the environment, and coordinating with various agencies. In 2023, the committee held an official meeting once, lasting for 3 days, with a one-day session for discussions and a two-day off-site study visit. This inaugural event took place in May at the main conference room of the Bangchak Refinery in Chonburi Province.

"Bangchak Huang Yai Chum Chon" Project

Out of concern for the neighboring communities around the refinery, the Company continues to support efforts to prevent and alleviate issues related to PM 2.5 pollution. This includes distributing 20,000 N95 masks to residents in the communities surrounding the refinery in the Phra Khanong-Bang Na area and in the Bang Nam Pheung sub-district. The masks are also provided to condominium residents, school personnel/students, and government agencies near the refinery to alleviate the impact of PM 2.5 pollution, which tends to occur regularly during the early months of each year.

The “Green Shelter” Project

The Company, in collaboration with Tetra Pack (Thailand) Company Limited, the Friend in Need (of “PA”) Volunteers Foundation, and 12 partner organizations, participated in collecting and recycling cleaned UHT milk cartons to produce construction materials for homes for those affected by natural disasters and individuals facing housing shortages. The project was conducted at both the corporate social responsibility (CSR) level and the national level, with donation collection points set up at 10 locations in Mini Big C stores at Bangchak service stations, the Company’s office areas, and Bangchak refinery stations. Additionally, community-level activities were organized with schools around Bangchak refinery areas in Phra Khanong district, Bang Na district, and Bang Nam Pheung sub-district, Phra Pradaeng district, Samut Prakan province, involving 11 participating schools under the “Rak Pun Suk Junior” project. Furthermore, 5 schools in the Phra Khanong area joined the project to collect cartons for house construction and the “Rak Pun Suk Junior” project also joined the “Khaya Kamphra Sanchon” project, focusing on waste reduction activities. The project included roadside waste collection to reduce initial waste at schools, with collected waste sent to N15 Technology network partners every two weeks. The waste was then incinerated using appropriate methods as an alternative fuel source instead of coal in cement kilns. The project began at the end of June of the previous year.

Operating Results in 2023: In the fiscal year 2023, which was the first year of the project implementation, milk cartons were collected and recycled 3 times throughout the year. A total of over 474 kilograms of milk cartons were collected and contributed to the project. This initiative helped reduce initial waste and manage waste in line with the principles of the Circular Economy and the BCG Economy policy.

Educational Aspect



The Company has conducted educational projects based on the importance of and consideration for human rights and equality, particularly in social rights, children’s rights, and the principles outlined in Article 26 of the Universal Declaration of Human Rights. These educational initiatives aimed to promote equal access to education through various projects in the fiscal year 2023.

“Rak Pun Suk Junior” Project

The Company, in collaboration with SCG’s chemical business and the Bai Mai Pun Suk Foundation, implemented the “Rak Pun Suk Junior” project which focused on waste management and establishing a waste bank, applying the principles of the 3Rs (Reduce, Reuse, Recycle) and the Circular Economy at schools. The project was conducted at both the national level, with selected participating schools from across the country, and the community level, in partnership with schools surrounding the oil refinery area in Phra Khanong District, Bang Na District, and Bang Nam Pheung Sub-district, Phra Pradaeng District, Samut Prakan Province. A total of 11 schools participated in the project.

Operating Results in 2023: The Company conducted school visits to monitor the progress of the initiatives once. Continuous budgetary support was provided for the ongoing projects throughout the year where the monitoring results showed that each school consistently maintained and utilized the learning bases and students were engaged in learning activities aligned with the project objectives and learning bases. Furthermore, the schools effectively implemented activities according to the project guidelines. Many schools showed improved and interesting developments, such as, achieving a 100% student participation rate in learning activities across all school learning bases, expanding learning activities from the bases to classrooms, learning to make DIY Green Cones (composting bins for food waste) independently, promoting waste bank activities to become more mainstream, utilizing online technology for selling products generated from the project, such as milk carton bags and dolls made from milk cartons and encouraging parental involvement. As a result, the waste management aligned with project guidelines has reduced approximately 6,109 kgCO₂e emissions to date.

“Eco-School” Project

The Company, in collaboration with the Department of Environmental Quality Promotion, the Phra Khanong District Office, and the Bang Na District Office, implemented the Eco-School project in 11 schools surrounding its refinery facilities. The aim was to promote environmental education for sustainable development (Eco-School) among school administrators, teachers of science and environmental studies, as well as other relevant personnel within the school systems. The project focused on learning how to develop curriculum frameworks and integrate environmental education activities systematically throughout the schools with the following objectives:

- School administrators and teachers can effectively integrate their environmental knowledge into the curriculum and teaching practices.
- The school can continuously develop its staff and students in environmental education in line with government policies and global trends.
- Personnel, students, and the school community can learn, understand, and actively engage with the environment, community, and society sustainably, leading to increased happiness.

Operating Results in 2023: The Company continued its project consistently which it conducted 2 online monitoring sessions to track school progress according to the project plan. Additionally, the Company organized a summary activity and preparatory meeting to explain evaluation criteria and guidelines for certifying Eco-Schools once, aimed at building understanding and readiness for evaluation in 2024. Participating schools continued to develop and implement curriculum, projects, and activities, integrating them into actual teaching practices and assessing outcomes within the education system. This involved the development of 11 curriculum, projects, or activities tailored for the academic year 2023, including direct environmental education curriculum, continuous waste management curriculum, and wastewater management curriculum where several schools made significant progress in various aspects of project implementation and were ready for evaluation. Moreover, there is a trend indicating that they may receive favorable evaluation results, for instance, some schools have adopted project curriculum as institutional curriculum in line with government policies, expanded curriculum to cover additional grade levels, and more.

Music/Sports Aspect



The Company has implemented projects in music/sports aspect based on the importance and consideration of human rights and equality, including civil rights, cultural rights, children's rights, the right to a standard of living, and quality of life, as well as the right to participate in cultural activities through various music/sports projects in 2023.

“Dek Show Ded Festival@Phrakhanong, Bangna” Project

The Company recognizes the importance of children and youth, especially those from schools around oil refinery areas, who should receive care to restore their learning and mental well-being due to abnormal stress and tension from not attending online classes and not having face-to-face communication with teachers and peers as usual. In line with the educational policies of governmental agencies responsible for education, the Company aimed to support schools in conducting activities of this nature in 2023. Consequently, the Company collaborated with local network partners such as large shopping centers including 101 True Digital Park and Megabangna, as well as government offices such as the Phra Khanong District Office and the Bang Na District Office, to provide platforms for students from schools around oil refinery areas to showcase their musical abilities, performances, and cultural talents. This project/activity was held 6 times between June to July and November to December in which 19 schools participated, presenting over 60 musical performances and more than 420 students, teachers, and administrators attended, along with over 1,300 spectators. The participating artists added color and entertainment to the event for students, participants, and attendees.

Relationship Aspect



Supporting Various Activities and Events Within the Community

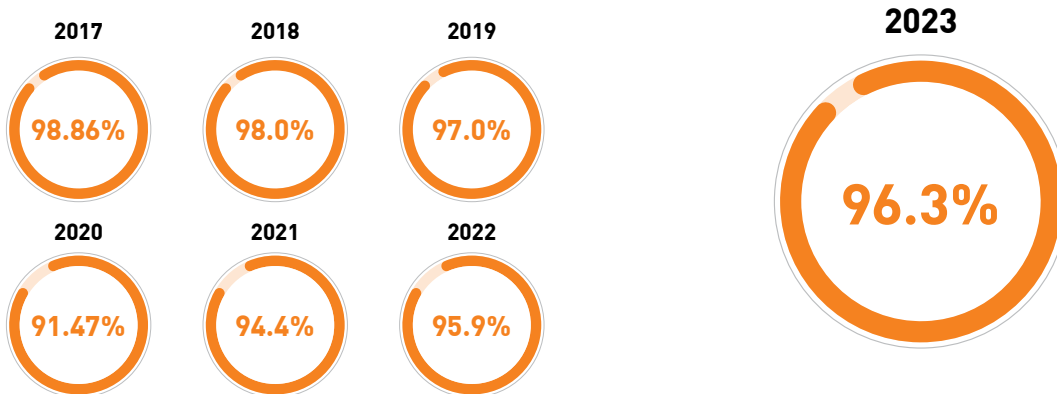
In 2023, the Company consistently supported various beneficial activities and events for the community and schools within the vicinity of the oil refinery. These activities included supporting the renovation and construction of steel structures for fertilizer-making machines, repairing streetlights within the community, and backing safety inspection checkpoints during festivals. Additionally, the Company contributed to the repair of community public building roofs, the upgrading of community multipurpose rooms, and the repair and renovation of community learning centers. Furthermore, the Company supported canal dredging and central area landscape improvement in the market activity area, as well as the upgrading of community/public restrooms at temples and temple kitchens and also assisted in upgrading various community building signs and supporting annual temple merit-making ceremonies in the area. Moreover, the Company supported elderly community club shirts and the renovation of community multipurpose buildings. Further support extended to providing sports equipment for student sports events in Bangkok, supporting the budget for Open House activities, and assisting schools/projects in jointly organizing external activity booths. Lastly, the Company supported sports days, various activities, and important days (such as New Year's Day and Children's Day) within schools.

The total volunteer hours of refinery staff (hours/baht)

2018	2019	2020	2021*	2022	2023
13,460 hours (Equals to THB 4.20 million)	16,088 hours (Equals to THB 4.30 million)	9,001 hours (Equals to THB 2.64 million)	1,762 hours (Equals to THB 0.48 million)	9,375 hours (Equals to THB 2.19 million)	11,296 hours (Equals to THB 2.60 million)

*Due to the COVID-19 pandemic situation, the Company had to adapt and change the format of its activities.

Satisfaction With Community Engagement Activities Around the Refinery (Percentage)



Handling of Complaints

In 2023, there were no widespread or general complaints received. However, the Company and Bangchak Refinery continued to prepare to handle complaints should they arise at any level, following standard procedures and processes. Additionally, efforts were made to prevent incidents and complaints at all levels from occurring in the future or to minimize them as much as possible. The Company is currently planning future preventive measures, including studying the installation of Enclosed Ground Flare systems to efficiently manage excess raw materials during production processes, minimizing environmental impact. Furthermore, one additional system is being considered for installation and operation to further enhance preventive measures. These efforts aim to prevent adverse effects on the community and to increase stability in safe and sustainable operations while remaining community-friendly in the future.

Ongoing Projects

Aspect	Objective	Ongoing Projects
Safety	<ul style="list-style-type: none"> Confidence in the safety of the refinery. Understanding of the basic safety procedures of the refinery. Possession of personal protective equipment and basic safety gear to address emergencies and various hazards. 	<ul style="list-style-type: none"> Conducted emergency response and fire extinguishing plan training, as well as basic first aid and CPR/AED training for schools/condominiums, Year 19th. Established safety inspection teams, Year 5th. Provided firefighting equipment and fire extinguishers, Year 19th.
Economy	<ul style="list-style-type: none"> Foster the development of vocational skills, jobs, income generation, and provide opportunities for community members to learn, develop, and utilize knowledge and skills in creating beneficial livelihoods for themselves and their families. Support community products and services, generating income for daily living expenses and supporting family members. Promote financial management and investment knowledge. Encourage and support economic development groupings, community enterprises, and aimed towards developing enterprises for societal advancement. 	<ul style="list-style-type: none"> Community enterprises: Generated additional income, enhanced business capabilities, and supported the formation of additional occupational groups (Community Enterprise Project, Year 8th). Bangchak Sarng Rai Dai Su Chum Chon Project (Support products and services from local entrepreneurs to be used in the Company's activities, aiming to distribute income to the community) (Year 19th). Bangchak Sarng Ngarn Pun Archeep Project (Support knowledge creation, job creation, and income generation for community members interested in enhancing their livelihoods in the face of economic challenges. This income is utilized in daily life and family support.) Provided opportunities for community restaurants to sell food in the Company's cafeteria without charges, contributing to community income.
Environment	<ul style="list-style-type: none"> Promote the awareness of environmental problems and efficient resource use Develop environmental learning and integrating into the education system/learning plan Instill consciousness and good behavior towards the environment Create and prosper waste management, Circular Economy, and BCG Economy 	<ul style="list-style-type: none"> Sen Thang Hing Hoi, The Path of Conservation Project, Year 10th Our Khung BangKachao Project, Year 6th Phueng Chan, Bang Nam Phueng Refinery Project, Year 5th Environmental Learning Schools for Sustainable Development (Eco-Schools) Project, Year 4th Carton Collection for Home Building Project (Green Shelter), for Friend in Need (of "PA") Volunteers Foundation
Quality of Life	<ul style="list-style-type: none"> Enhance quality of life, physical health, mental health Support and promote preventive health care 	<ul style="list-style-type: none"> One Family Project, Year 31st Bangchak Good-Hearted Youth, Year 8th Bangchak Huang Yai Su Phai COVID-19 Project, Year 4th Healthy Community Project, annual health check for community neighbors around Bangchak Oil Refinery
Education	<ul style="list-style-type: none"> Promote youth learning and developing according to age group, instill consciousness to be both good and smart Support the development of teachers, students, executives, and schools in various aspects 	<ul style="list-style-type: none"> Bangchak Youth Scholarship Project, Year 19th Teacher and School Potential Development Project, Year 19th Rak Pan Suk Junior Project, Year 2nd
Sports	<ul style="list-style-type: none"> Strong youth, good health, refraining from drugs, able to generate income from profession, and having good educational opportunities from playing sports 	<ul style="list-style-type: none"> Bangchak Youth Football Club, Year 16th
Relationships and Cultural Heritage Conservation	<ul style="list-style-type: none"> Create commitment and strengthen good relationships between the refinery and nearby residential communities 	<ul style="list-style-type: none"> Khrob Khrua Bai Mai Pamphlet, Year 17th Phuean Ban Condo Project, Year 11th Community Home Visit, Year 19th

Future Work Plan for Community Relations

The Company emphasizes participation in community care around the refinery in conjunction with business operations, by continuously supporting or organizing various activities for the community around the refinery and as part of improving the quality of life and living conditions of people in the community. This is done by developing the potential of community leaders, youth, and residents in the community to be self-reliant, have a decent household economic condition, good and stable jobs, sufficient and stable income, good mental health, good relationships and commitment between the community and the refinery like a family, and be able to live together harmoniously while considering and giving importance to human rights and equality in all groups and all dimensions as much as possible

and appropriate. The plans both in 2024 and in the future focus on working in all aspects continuously, coupled with creative thinking and developing good, new, and different things, with the goals to achieve the results that all parties want and be happy together. The Company also helps in supporting a good quality of life, stable income, profession, work, and economy of the community and all neighborhood groups sustainably. For example, supporting preventive health care, developing professions/jobs, community enterprises/social enterprises, etc., while considering human rights and equality in all groups and all dimensions for harmonious coexistence, committed to being friends sustainably and continuously in the future.

Goals for Community Relations for 2023 - 2027: Bangchak's commitment to the community



Participation in Social Care

The Bangchak Group attaches importance to maintaining a balance in business operations under **the concept of Greenovate to Regenerate, a balance of nature, endless power, based on maintaining a balance between value and worth**, to maintaining a balance of energy challenges 3 ways (Energy Trilemma) to drive towards a low-carbon society with a goal of achieving net zero greenhouse gas emissions in 2050, as well as maintaining a balance in being an organization filled with ethics that is responsible for the environment, society, and has good corporate governance (ESG) transmitted to the BCP316 NET plan to achieve the Carbon Neutrality goal within 2030 and being an organization that emits net zero greenhouse gases (Net Zero Emission) within 2050, respectively.



Participation in social and environmental care, therefore, carries out projects/activities that respond to the C: Conserving Nature and Society and NET: Net Zero Ecosystem plans to show responsibility that distributes benefits to various stakeholders comprehensively while maintaining sustainability.



Plan C: Conserving Nature and Society Plan, conserving nature in conjunction with social care

The Bangchak Group has studied the feasibility and risks in the development of natural carbon dioxide absorption and storage sources, both terrestrial and marine systems (C: Conserving Nature and Society), to be used to offset the 10 percent target of the Company's greenhouse gas emissions. Throughout the past year, the Bangchak Group has worked with various partners to learn from practice and study the carbon offset guidelines and related carbon credit certification standards both in domestic and international, to extend the Green & Blue Carbon work that has started since 2020. It was found that the process of developing projects and work in carbon credits is complex, although it links the dimensions of community-social development with participation with various stakeholder groups, but there are still unmanageable risks, both in terms of area, impacts

from El Niño, severe weather conditions. These risks lead to the Bangchak Group to have the idea of diversifying risks in the C: Conserving Nature and Society plan to develop agricultural projects to increase the possibility of responding to organizational goals, from the original 4 formats to 5 formats. The Company expects to spread cooperation and seek opportunities to develop carbon credit projects together in a size suitable for investment, create benefits for the environment and society together, and manage risks together with partners. Projects are being considered as the study and pioneering projects in various areas before a clear goal and plan can be determined in the following year. Currently, the projects cover an area of more than 6,500 rai, and stakeholders of more than 600 households, with details as follows.

Format	Development of Terrestrial Ecosystems (Green Carbon)		Development of Marine Ecosystems (Blue Carbon)		Agriculture
	Afforestation	Community Forest Conservation Planting	Reforestation - Conservation of Coastal Forests	Study of Seagrass Sources	Plant D*
Operating Area	Prachinburi / Chachoengsao	Chiang Mai	Samut Sakhon / Samut Songkhram Ranong / Trat / Chanthaburi	Trat	Chonburi
Total Area (Rai)	2022: 3,172 Rai	2022: 2,650 Rai 2023: 3,500 Rai	2022 : 300 Rai (BCPG) 2023 : 226 Rai (BCP) : 110 Rai (BCPG)	Study Area 22.3 Rai	Pilot 5,000 Rai
Duration (Years)	10 Years	6 Years	20 Years	5 Years	7 Years
Key Partners	Royal Forest Department	Community Forrester Committee and Mae Fah Luang Foundation	Department of Marine and Coastal Resources	Seagrass Conservation Group / Subdistrict Administrative Organization Koh Mak / DASTA / Kasetsart University	Bangchak Cooperative Network to Combat Global Warming
Approach	Plant, Maintain, Conserve, and Restore Forest Areas	Carbon Credit Management in Forests for Community Development in Forest Conservation and Fund Management for Quality of Life Development	Plant, Maintain, Conserve, and Restore Forest Areas	Study the feasibility of utilizing seagrass sources to capture greenhouse gases / Guidelines for restoring seagrass sources	Improve the planting and care process of low carbon perennial crops
Work in 2023	Notify to change the area to be consistent with the purpose of planting	Register a carbon credit project	Approved / Prepare the area	Understand / Transmit the results of the first phase of research to the community	Publicize, open for applications, and define the area boundaries
Plan for 2024	Find opportunities to develop projects with various partners	Register T-VER / Manage Forest Career Fund	Planting and Maintenance Work T-VER registration	Prepare a seagrass nursery in the area and experiment with planting seagrass in potential areas with survival rates	Train farmers, record baseline data, and register a carbon credit project
Project Goals	Increase forest area and ownership of carbon credits	Conserve forests, reduce forest fires from upstream forests, reduce PM 2.5 pollution	Increase forest area and ownership of Carbon credits	Model for sustainable tourism community LOW CARBON DESTINATION	Farmers Care The Earth Increase income Reduce cost for low carbon



NET ZERO ECOSYSTEM

Plan Promote NET ZERO ECOSYSTEM in Thai society

The Bangchak Group is aware of the preparation of Thai society towards the goal of Carbon Neutrality by 2050 and NET ZERO by 2065, therefore collaborating with partners to drive the preparation for both internal and external stakeholders to have knowledge, understanding, experience, to create awareness of the management of Thailand's greenhouse gases, carbon mechanisms,

as well as trading systems, tax systems, and carbon credits. These are new matters for Thai society at all levels from individuals, communities, SMEs, and business organizations. In the past year, the Bangchak Group has communicated and created shared experiences in various channels throughout the business value chain as much as possible, as detailed:

• Creating Awareness

Climate Action for Employees: Significant stakeholders and representatives of the organization's image. Being a role model and emphasizing the goal of sustainable development SDG13 Climate Action starts with the participation of employees within the organization. The behavior of reducing greenhouse gases is part of the individual performance evaluation (KPIs), continuing for the 2nd year in addition to conducting activities for society (CSR Activity) to encourage employees in having good behavior, including reducing single-use plastic, waste sorting, using public transportation, using renewable energy, or reducing electricity use in households. By recording the Climate Action behavior throughout the year, there are more than 500 employees participating in activities continuously, helping reduce greenhouse gases throughout the activity period up to 90 tons of carbon dioxide equivalent, indicating a better trend than the previous year by 28 percent.

Carbon Markets Club: An important tool to help support the mission to make Thailand more prepared. This commitment is carried out in collaboration with business partners who co-founded 11 places in 2021, as well as organizational members and other partners. By working continuously and seeing tangible results from providing knowledge, understanding, and exchanging information, there are more than 700 members, both individuals and organizations, buying and selling carbon credits. There is also the platform for calculating greenhouse gas emissions from organizations (Carbon Footprint Tracking for Organization (CFO)), which allows members to try for free. Currently, the work has been expanded in collaboration with various sectors, has a good response, and has made significant progress.

Carbon Markets Club



Number of individual members (accumulated)

2022	2023
162 People	607 People



Number of organizational members (accumulated)

2022	2023
53 Organizations	165 Organizations



Number of online seminars and published articles

2022	2023
14 Count	48 Count



Support for buying and selling carbon credits and RECs

2022	2023
678,260 tCO ₂ e	1,411,779 tCO ₂ e



Compensation for personal and event carbon credits

2022	2023
454 tCO ₂ e	3,000 tCO ₂ e



Being a lecturer to transfer knowledge to partners/public stage

2022	2023
– Events	17 Events

Cooperative Network to Combat Global Warming:

Oam Suk Social Enterprise by Bangchak Group leads the project “Cooperative Network to Combat Global Warming” with agricultural cooperatives that operate Bangchak service stations and have operations that need to use electricity during the day by installing solar cells. In addition to reducing costs, it is also a joint development of carbon credit projects from renewable energy of 100 - 700 kilowatts, together with 5 cooperatives, namely, Phimai Agriculture Cooperative Nakhon Ratchasima, Sanpatong Agricultural Cooperative Chiang Mai, Muang Lablao Agricultural Cooperative Uttaradit, Ban-Khaosok Para Rubber Fund Cooperative Chonburi, Benchalak Agricultural Cooperative Sisaket, with an estimated installation of 1.7 megawatts (MW), both in the form of contract installation (EPC) and private electricity sales contract (Private PPA).

Low-Emission Rice: is to promote the members of Farmers Care The Earth program from Mega Farm Modern Agriculture Community Enterprise, Doem Bang subdistrict, Doem Bang Nang Buat district, Suphan Buri Province by bringing the low-emission rice products of more than 40 tons to be a sale promotion product at over 130 Bangchak service stations during World Environment Day. The Company also provides knowledge about “Wet alternating dry” rice cultivation method that will help reduce the release of methane, which is one greenhouse gas causing the global warming. It is a connection of experience for the public to know the behavior of choosing products that reduce greenhouse gas emissions, and also helps fellow farmers to be proud of their sustainable production process that cares the world.

Koh Mak to the path of LOW CARBON DESTINATION:

To transfer knowledge and extend activities according to the goal “Koh Mak model of low carbon tourism community” (The Green Destination TOP 100 of the World). Bangchak Group has joined with partners to extend the important plan in 3 aspects, namely 1) the Study of the amount of greenhouse gas emissions from key operations 2) Promoting greenhouse gases reduction activities in daily life (waste management, clean energy use, transportation, etc.) 3) and restoration-conservation of terrestrial and marine ecosystems to absorb carbon.

Koh Mak to the path of LOW CARBON DESTINATION



1. **Green Entrepreneurs (Accommodation / Restaurants / Shops / Cooking School) (Greenhouse gases calculated from electricity and guidelines for reducing greenhouse gases)**

2023 **11** Places



2. **Greenhouse gases reduction activities (BCG Economy) for entrepreneurs and the public sector (Waste sorting / Green transportation / Renewable energy / Carbon credits from perennial crops)**

2023 **Prepare Baseline**



3. **Study, conservation, restoration of seagrass sources, Koh Mak islands, Koh Kradat**

2023 **22.3** Rai

Reducing Waste from the Source: a close and easy-to-start activity beginning with daily waste management to drive the BCG Economy. Bangchak Group collaborates with various partners to facilitate customers and the public in managing various types of waste. Whether it is a waste collection point through the network of service stations, such as the collection point for orphan waste with N15 Technology in 4 key service stations across Bangkok / Habito project (T77) / Bangchak office and refinery. The collection of UHT beverage boxes for recycling in the Green Shelter project with Tetra Pak (Thailand) Co., Ltd., as well as the recycling of used cooking oil to link to the sustainable aviation fuel (SAF) business through the “Fry to Fly” project.

Reducing Waste from the Source



1. **Community satisfaction near Bangchak service station towards being an environmental model / waste management / safety**

2022 **80 %**

2023 **79 %**



2. **Waste collection point at the service station / Bangchak office - refinery**

2022 **80** Ton

2023 **162.4** Ton



3. **UHT beverage box collection point at the service station / around the refinery Help reduce greenhouse gases**

2022 **80** Kg. tCO₂e

2023 **803.34** Kg. tCO₂e



Greenovative Forum 13th Edition: Regenerative Fuels: Sustainable Mobility aims to create awareness for society and Bangchak Group. The Company organizes environmental seminars every year on issues that align with global and business trends. This year, the topic of future fuels that will answer sustainable travel is presented. While hydrogen, which is seen as a future option, still takes time, technology, and requires more practical use cases to have competitive prices and costs. Liquid Fuels will be the main form of energy from 2 factors, which are high energy density and transportation convenience. For the aviation sector, Sustainable Aviation Fuel or SAF is an energy option that meets with the sustainable transportation challenge. When the aviation industry sets a Net Zero target in 2050, Bangchak Group has pioneered the production and sale of SAF fuel from used cooking oil. The product produced by SAF production unit at Bangchak Oil Refinery, Phra Khanong, is a fuel that the aviation industry around the world can immediately replace without adversely affecting the engine. In addition, the “Fry to Fly” project is carried out by the Company in collaboration with various partners, both outside and within the chain, to collect used cooking oil through Bangchak service stations/food industry/restaurants / households to return to the production process as much as possible.

- **Creating experiences with personal/event carbon neutral activities**

Carbon Markets Club: in addition to disseminating knowledge through Webinars and various articles, the Company also cooperates and promotes carbon-neutral campaigns at the individual level and through various event types to make it easier to understand. This is to stimulate environmental consciousness and communicate about greenhouse gases for the public at large to understand the principle of calculating greenhouse gas emissions that come from all daily

activities. Bangchak Group has arranged for individual carbon footprint compensation campaign for over 20 executives at the level of Assistant Managing Director and above to be a “Carbon-Free Management Team” since 2022, considering their greenhouse gas emissions from domestic and international traveling. The Company also arrange the carbon footprint compensation campaign for the 3 world-class badminton players from Ban Thong Yod Badminton School “View” Kunlavut Vitidsarn, “May” Ratchanok Intanon, and “Jew” Lalinarat Chaiwan. In addition, various types of events that have a large number of participants, such as the Shareholders’ Annual General Meeting of companies in the Bangchak Group, and annual environmental seminars are also arranged in carbon neutral way. The Company also arranged for additional carbon neutral events by being a co-host of the Olympic running event in Nan, Mukdahan, and Kanchanaburi provinces, organizing the 10th Doi Tung Color Event (Palette of Flowers) at the Doi Tung Development Project, Chiang Rai Province, and supporting the Stay for Santa project with The ERWAN Group PCL in 4 hotels to compensate for the carbon footprint of customers staying on December 23, 2023 - January 2, 2567. These together led to Bangchak Group and Carbon Markets Club having compensated for the total carbon footprint released from individuals and events with various partners of more than 3,000 tons of CO₂ equivalent.

- **Developing Low Carbon Business (Platform for Growth)**

The development of the Platform for Growth for sustainability reflects that every growth of the Bangchak Group continues to maintain the balance of value and quality while also maintaining the access energy stability, which goes hand in hand with driving towards a low carbon society to achieve the goal of net zero greenhouse gas emissions in 2050. The solid foundation created by synergies among various businesses not only help increase production efficiency, reduce costs, and create economic value, but it also enhances value to society and the environment, delivering a good experience to consumers, communities, and society to use environmentally friendly products and services. This aligns with the organizational and national goals of aiming for net zero greenhouse gas emissions at various stages. For example:

- Bangkok Fuel Pipeline and Logistics Co., Ltd. (BFPL): The business manages the transportation of fuel by truck and boat, pipelines and logistics both domestically and internationally. Efficient full-cycle transportation management helps reduce greenhouse gas emissions from product oil transportation.
- BSGF Co., Ltd.: The business produces sustainable aviation fuel or SAF from used cooking oil. Sustainable Aviation Fuel or SAF is the energy alternative that will answer sustainable transportation.
- Winnonie Co., Ltd.: The business provides leasing service for electric motorcycles and aims to be a leader in providing Battery as a Service (BaaS) platform. Currently, Winnonie has 1,050 accumulated lessees and 120 battery swap stations, which provide over THB 41 million/year of cost saving and 2,000 tons of accumulated CO₂ equivalent of greenhouse gas emission reduction to lessees during the rides (compared to refueling).

and develop into “Model Schools and Model Teachers in the Project”. In addition, there are environmental and circular energy projects, namely the “Rak Pun Suk Junior” project and the “Solar Pan Suk” project, to instill consciousness and good behavior in the environment in line with sustainable development SDG13: Climate Action and SDG7 Affordable Energy as well as national policy according to the BCG Economy model from the 3 major projects. These projects aim to help Thai children to be able to read and write, provide access to alternative energy, and have waste sorting consciousness. The programs promoted waste sorting activities in 17 schools. The amount of greenhouse gases reduction, certified by the LESS project of the Greenhouse Gas Management Organization, resulted in more than 41 tons of CO₂ equivalent reduction, covering more than 15,000 youths from almost 212 schools in 56 provinces nationwide.

Education Work

Bai Mai Pun Suk Foundation develops educational activities in collaboration with partners to develop youth in both education and environment aspects. An important project for reading and writing development is the “Model Read & Write with Ease” Program to respond to the SDG4: Quality Education goal. The program provides training to grade 1 teachers and develop students to be able to read and write



Table showing the percentage and proportion of expenses in business activities and processes that respond to society:

Type of Philanthropy Activities	2022 Percentage of Total Costs	2023 Percentage of Total Costs
Public donation	2.83	2.27
Social investment	11.72	29.55
Business processes that respond to society	85.45	68.18

Type of Contribution	2022 Total amount in THB Million	2023 Total amount in THB Million
• Money	214.6	196.5
• Volunteer time of employees	2.1 (9,375 hours)	2.6 (11,296 hours)
• Various items / organizational products	4.4	14.2
• Management	14.7	17.7
Total	235.8	231.0

Future plans for participation in social and environmental care

With the BCP316 NET plan, there are various social projects being held, with importance being given to greenhouse gases reduction and sequestration in the value chain of the Bangchak Group with all stakeholders. The Bangchak group seeks for further opportunities to develop carbon credit projects from the energy, forestry, and agriculture sectors in various standards in collaboration with partners.

Energy Security and Accessibility

Bangchak Corporation Public Company Limited prioritizes balancing business operations under the Greenovate to Regenerate concept. This foundation is built on maintaining a balance between values and creation of shared value, ultimately leading to addressing the three key energy challenges (Energy Trilemma) to propel the Company towards a low-carbon society with a net-zero greenhouse gas emission target by 2050. Additionally, BCP prioritizes being an ethical organization accountable to the environment, society, and good corporate governance (ESG). This commitment translates into the BCP316NET plan to achieve carbon neutrality by 2030 and ultimately become a net-zero emission organization by 2050.

Focusing on energy security, the Company strengthens its capabilities in finished oil product production and refinery business by integrating synergies and developing a Platform for Growth for sustainability. This includes two world-class complex refineries with a combined production capacity of 294,000 barrels per day. Furthermore, the Company also emphasizes businesses from natural resources, and also developing the exploration and production of petroleum and new businesses to ensure energy security for the country.

In terms of energy accessibility, the Company delivers quality, environmentally friendly products, and excellent services to customers through 2,219 service stations nationwide. The Company remains focused on developing and improving its products and services, always prioritizing customer needs to ensure convenience and easy access to energy. Finally, in terms of sustainability, the Company upholds its commitment to being a leading Thai energy company that operates alongside environmental and social care, while contributing to the development of a better life for Thai society. The Company has a clear goal of driving towards a low-carbon society and has further emphasized its leadership in energy transition towards a low-carbon society by investing in the production and distribution of sustainable aviation fuel (SAF) from used cooking oil. SAF is a fuel that can be used immediately, as it is adopted in the global aviation industry without affecting engines, making it the first and only “low-carbon jet fuel” production from used cooking oil in Thailand and the second in Asia. To achieve growth and development in the leading energy business, the Company operates according to its policies based on balancing all three aspects mentioned above.