

Performance regarding environment

In 2023, the Company's achievements in environmental management were as follows:

Performance of promotion to reduce energy and other resources

1. Energy and Resource Conservation

Attaching great importance to energy efficiency, appreciating its value, the Company established policies and tangible plans, according to standards, for reducing energy and resources across the value chain. The Company has set a quantitative target to reduce energy use by 5% from 2022, and to maximize efficiency in accordance with the Ministry of Industry standards and the government's BCG (Bio-Circular-Green Economy) policy. The 3Rs principle (Reduce, Reuse, and Recycle) has been put into practice, thereby reducing the cost of energy and resources, while also alleviating the problems and the impact of climate change.

These short-term quantitative targets to reduce consumption of energy and other resources are as follows.

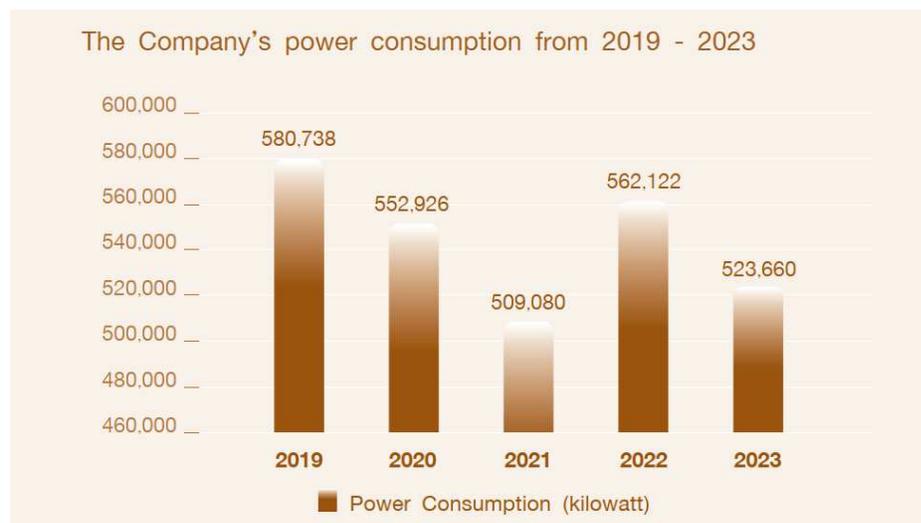
- 2% decrease in power consumption from 2022
- 2% decrease in fuel consumption from 2022
- 2% decrease in water consumption from 2022
- 2% increase in office waste sorted and recycled from 2022
- 2% decrease in the use of office supplies from 2022

Reduction in consumption of energy and other resources are presented below.

1.1 Electricity

To manage energy consumption both for lighting and air conditioning systems efficiently, the Company has installed and maintained monitoring equipment to control the operation of related electrical systems, in accordance with the energy saving standards of the Energy Policy and Planning Office, Ministry of Energy, B.E. 2560. Campaigns are also run to encourage awareness in employees of smart use of electricity. This includes turning off lights in the office during lunch break and when not in use. In addition, office air conditioners are set to turn on at 8:00 a.m. and turn off at 5:30 p.m. Light bulbs have also been replaced with energy-saving LED T5 bulbs.

Performance results in 2023, the Company's power consumption stood at 523,660 kilowatt, a reduction of 6.84% from 2022, in line with the target set.



Note: In 2020 and 2021, during the COVID-19 situations, there was a practice of alternating between working from home and working onsite.

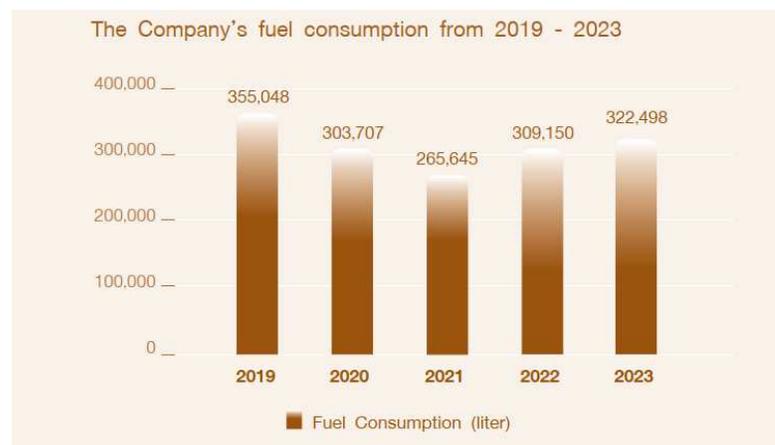
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1.2 Fuel

The Company has a practice guideline for maximum efficiency with the aim to reduce vehicle fuel consumption, according to fuel economy standards of the Energy Policy and Planning Office, Ministry of Energy, B.E. 2560. Approaches in reducing vehicle fuel consumption and travel include scheduling routine vehicle maintenance by mileage and using the fuel-saving B7 diesel for the Company's vehicles. Regular training sessions on driving and vehicle maintenance are also held for employees.

To reduce travel, the Company has adopted technologies that align with the digital age and has a policy shift from traveling to customer sites for installations to conducting more meetings via online systems. Additionally, travel planning and design consider factors such as route, duration, traffic conditions, schedule, location, and the choice of vehicle to ensure that travel for installations or customer service is efficient. This not only improves work efficiency but also helps reduce fuel consumption and operational costs. Furthermore, it contributes to reducing air pollution and the greenhouse effect caused by carbon monoxide (CO) and carbon dioxide (CO₂) emissions.

Performance results in 2023, the Company's fuel consumption stood at 322,498 liters, marking a 4.32 percent increase compared to 2022. This was above the set target. The primary reason for this increase was due to significant project work entering the installation phase, which required extensive surveys and equipment installations across the country in 2023.



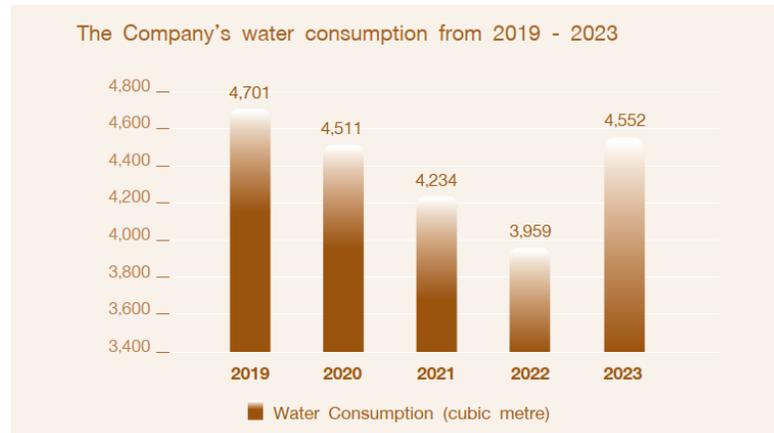
Note: In 2020 and 2021, during the the COVID-19 situations, there was a practice of alternating between working from home and working onsite.

1.3 Water

Ongoing campaigns are run to encourage awareness in employees of the value of water so they use it sparingly. The low-flow water-saving approach and guidelines have also been implemented. Equipment and sanitary ware are regularly checked and maintained. Faults are immediately repaired to avoid unnecessary water loss. Meanwhile, water-saving campaign signs are put up as reminders. However, due to 2023 being the year employees returned to their normal work conditions after the easing of COVID-19 pandemic, the Work From Home policy was discontinued. Additionally, there was a number of employees who concluded their on-site work at client locations and returned to work at the office.

Performance results in 2023, the Company's water consumption stood at 4,552 cubic metres, an increase of 14.98% from 2022, above the target set.

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Note: In 2020 and 2021, during the COVID-19 situations, there was a practice of altering between working from home and working onsite.

1.4 Office supplies

The Company has a policy for management and control of office supplies particularly stationery to reduce wasteful use. The Company prefers environmental-friendly materials, has conducted a campaign for paperless office, and increasingly use technology and system such as the ERP, e-Document, and Online requests. There's also a systematic disbursement of office supplies, where conditions and schedules are set. Reuse of items such as files and paper clips as well as use of both sides of paper are encouraged.

Performance results in 2023, the Company's costs of office supplies stood at 1,036,987 baht, a slight increase of 30,390 baht from 2022, or 3.02 percent, which did not meet the set target. This was due to the documentation for metering system projects that required the installation of a large number of devices nationwide.



Note: In 2020 and 2021, during the Covid pandemic situations, there was a practice of altering between working from home and working onsite.

2. Creating resource consciousness in employees

Waste management

The Company pays attention to management of waste from operations, in accordance with the standards for waste disposal set by the Pollution Control Department, Ministry of Natural Resources and Environment, to reduce environmental pollution problems. Reuse and recycling are promoted and employees are encouraged to be environmentally conscious both at work and in daily life.

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The Company promotes knowledge among employees that aligns with the Company's policies and guideline in environmental management. The Company hopes that this concept will be further disseminated to employees' families and the wider community.

Regarding this, the Company practices sorting waste into types as required by law, followed by waste management, including putting up an monthly internal waste management system. Waste is then collected and processed by companies with eligibility standards. The purpose is to keep the offices and nearby areas hygienic, free of pollutants.

The quantitative targets of waste management are as follows.

- To increase recycle waste recovery through sorting
- To sort our hazardous waste by 100%

In 2023, the Company has operated as follows:

2.1 Grease from wastewater

Grease traps are inspected to ensure normal working condition and cleaned weekly, totaling 52 times a year.

2.2 Waste from operations

In dealing with office waste from operations within the organization to reduce the problem of polluting the environment, reuse is encouraged both in the office and in daily life. Recyclable waste is also recovered through sorting and forwarded to recycling facilities.

Performance results in 2023, the Company was able to separate 7,015 kilograms of recyclable office waste for recycling, an increase of 2,606 kilograms or 59.12 percent recovered in 2022, in line with the target set.



Note: In 2020 and 2021, during the COVID-19 situations, there was a practice of alternating between working from home and working onsite.

2.3 General waste (non-hazardous)

- **Paper and Office documents** that are no longer valid or needed are cleared regularly through the 5S methodology (sort, set in order, shine, standardize, and sustain). They are then collected and forwarded for recycling. In 2023, 16,528 kilograms of recyclable paper waste was collected.
- **Plastic Bottles**
 Campaigns are continually organized every year to educate and raise awareness on proper waste separation and waste management for the purpose of waste reduction, based on the concept of "Recycle, reuse" under "SAMART Loves the Earth" project. Executives and employees are encouraged to realize the importance and the impact of waste on the environment in order to reduce the amount of waste from the beginning at its source. They are also invited to participate waste separation activities. Reusable items are shared with the underprivileged in society. Surplus or expired items are

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sorted out and properly disposed of so they do not cause pollution to the environment. These efforts are reflected through various activities throughout the year including the following:

- Don't throw away the valuable:** 200 people donated 1,000 old calendars to be made into Braille books for the blind.
- Love Cycle Recycle:** With a campaign promoting the use of reusable drinking glasses, 700 disposable plastic cups were not used, thus reducing waste.
- Sharing Shoes:** 100 people donated 288 pairs of shoes in good condition to the Yuvabadhana Foundation, which turned them into scholarships for needy students throughout the country through its fundraising programs.
- Turning Old Clothes into Energy:** Following an exhibition and with a pick-up point, a total of 700 kilograms of old clothes was collected from 400 project participants. The clothes were then sent to a tech company that converts them into refuse-derived fuel. This helps reduce pollution from waste disposal as well as reduce over half a ton of coal in producing energy.



2.4 Hazardous waste and electronic waste

- Old and faulty light bulbs and electronic devices are discarded at collection points designated by office buildings and the municipality, thus ensuring zero contamination of other wastes.
- Used face masks and COVID-19 test kits (ATKs) During the COVID-19 situations, knowledge was disseminated and employees were advised regarding how to properly sort and dispose of hazardous and contaminated waste such as used face masks and ATKs to avoid contaminating the air and spreading infection. Internal public relations signs and information were continually put up in elevators and office areas as well as posted online. As a result, there was zero contamination of other wastes by used masks and ATKs.



- Set up a SMART E-Waste Drop Point to encourage employees and the general public to be aware of the importance of separating electronic waste for proper disposal in order to reduce environmental pollution problems sustainably.



Performance results of general waste management, in 2023 100% of hazardous waste was sorted out, which was in line with the target set.

3. Climate and greenhouse gas management

Based on the Company's environmental performance as reported above, it can be seen that the Company pays attention to activities in its value chain that affect the climate and greenhouse gas emissions throughout the work process in the organization and in supporting client's operations. Concrete campaigns were carried out to provide knowledge for employees and stakeholders to promote understanding, awareness, and an environmental spirit in working towards the quantitative target of becoming a low-carbon organization.

In 2023, the Company set the target of greenhouse gas (GHG) emission from both direct (Scope 1: Direct GHG Emissions) and indirect (Scope 2: Energy Indirect GHG Emission) emissions not exceeding 1,127.75 ton CO₂ equivalent (tCO₂e)

3.1 Internal operations to reduce impact on climate and greenhouse gas management

The Company's plans for appreciative consumption of energy and resources, considering the impact on greenhouse gas emissions include the following:

- **Fuel consumption and travel**

Regarding this, the Company carried out continuous vehicle maintenance as planned. Also, there's a policy to use Thailand's B7 standard fuel to help stabilize the price of palm oil while also reducing pollution. In addition, the car pooling arrangements for work helped reduce twice as much greenhouse gas emissions where the emission rate by a car is at 100 - 200 grams of CO₂e per kilometer.

However, in 2023, fuel consumption of the Company was 322,498 liter equivalent to direct GHG emission of 874.92 tCO₂e, increased by 4.53 percent from 2022, increasing GHG emissions by 37.95 tCO₂e compared to 2022, due to projects in 2023 that required the installation of a large number of devices for end customers nationwide.

- **Electricity consumption and management**

With airconditioners turned on and off as scheduled during the day helped reduce greenhouse gas emissions from electricity consumption. The replacement of light bulbs with LED bulbs also helped save energy and reduce carbon dioxide production.

In 2023, power consumption of the Company was 523,660 kilowatts equivalent to indirect GHG emission of 313.46 tCO₂e, decreased by 6.84 percent from 2022, reducing GHG emissions from power consumption by 23.03 tCO₂e compared to 2022.

Performance results in 2023, the Company's GHG emissions from both direct and indirect sources (Scope 1 and 2) were 1,188.39 tCO₂e, slightly increased by 1.27 percent compared to 2022, not meeting the set target to limit GHG emissions no exceeding 1,173.47 tCO₂e, due to numerous projects in 2023 requiring extensive equipment installation for end users nationwide, coupled with 2023 being a year of returning to normal work conditions unaffected by the COVID-19 situation.

Additionally, the Company encouraged activities to help decrease GHG emissions and lessen impact to environment such as office waste management, paper management, and waste separation for recycling. These activities helped reduce GHG emissions for total of 32,302 kgCO₂e. Such activities were:

- **Office waste management**

With internal operations to reduce the problem of environmental pollution, promotion of reuse both in the office and in daily life, as well as waste separation for recycling, in 2023 office waste was reduced by 7,015 kilograms, or a reduction of 9,533 kgCO₂e in greenhouse gas emissions.

- **Management of paper and office documents**

Paper and office documents are regularly scheduled to be sorted through the 5S project for recycling purposes. In 2023, 16,756 kilograms of paper and documents was sorted out and recycled, resulting in a reduction of 22,769 kgCO₂e in greenhouse gas emissions.

- **Waste management**

Following the concept of "Sustainability for All" under "SAMART Loves the Earth" project, executives and employees are encouraged to separate waste so that to participate waste separation activities. Reusable items are shared with the underprivileged in society. Surplus or expired items are sorted out and properly disposed of so they do not cause pollution to the environment. These efforts are reflected through various activities throughout the year including the following:

- The company donated 2,731 sets of computers and accessories to foundations and needy schools.
- 1,000 old calendars were donated to the blind for educational use.
- Waste was reduced as reusable drinking glasses were used instead of 1,000 disposable plastic cups following a campaign promoting a behavioral change.
- 288 pairs of shoes in good condition were passed on and turned into scholarships for youth in a fundraising campaign.
- 700 kilograms of unusable old clothes was contributed to a clean energy project to be made into refuse-derived fuel, reducing the pollution from using coal in electricity production by more than half a ton.

Note: Calculation of GHG emissions is based on comparison data of greenhouse gas reductions from Thailand Greenhouse Gas Management Organization (Public Organization) and the Care the Bear, the Stock Exchange of Thailand (SET)'s project.

3.2 Development of products and services with impact on society and the public for corporate clients

The Company focuses on developing products and services, taking into account environmental conservation, upgrading and creating environmental safety standards, offering environmentally conscious telecommunications services, and using energy appreciating its value for stakeholders including clients and partners in government organizations and state enterprises that have the same vision.

Operational Performance

The services provided in 2023 include the following:

- **Project of online pollution monitoring boxes contract**
The Company delivered 450 sets of remote pollution monitoring and warning system (online pollution monitoring boxes) to the Industrial Pollution Research and Warning Division, Department of Industrial Works, Ministry of Industry.

Benefits to the client

1. Every factory is completely equipped with an online pollution monitoring system.
2. With an online pollution monitoring system, the data transmitted is accurate and cannot be tampered with. A database of water/air pollution measurement results of industrial plants can thus be created and warnings can be given accordingly. This helps reduce complaints and impact on the public and environment.

Benefits to the people and surrounding communities

This alleviates the concerns of people living in areas surrounding factories and industrial estates.

- **Project to increase efficiency in marine resource management with a solar power generation system, Ko Man Nai, Rayong Province, under the royal initiative of Her Majesty Queen Sirikit.**

The Company installed a solar power generation system, with an electrical energy storage system for the Marine and Coastal Resources Research Center, Koh Man Nai, Rayong Province, which is a pilot area. The solar power generation system has a production capacity of no less than 300 (kWp) and the energy storage system with lithium batteries with a total electrical capacity of 1,500 kWh along with demand side management.

Benefits to the client

1. To solve the problem of electrical energy at the Marine Resources Research Center, a solar power generation system, with an electrical energy storage system, was installed. This helps reduce the costs of electrical energy and the environmental impacts from diesel generators.
2. The solar power generation system is a model for development of a marine resource research center and "green coasts". It also spreads awareness of economical energy use in the form of energy management for maximum benefit through the use of intelligent microgrid systems.
3. The project follows the government's policy in making use of natural energy according to the Renewable and Alternative Energy Development Plan 2018-2037 (AEDP2018).

Benefits to the public

The project prompted public participation both by Thai people and expatriates in promoting and supporting energy conservation and encouraging use of alternative energy in government agencies to fulfil the Energy Conservation Plan 2018-2037 (EEP2018) of the Ministry of Energy and the government's energy policy.

4. Green Procurement

The Company is committed to conducting business with environmental responsibility covering product selections, process improvement, and cultivating environmental mindsets for employees. In 2023, the Company's activities were:

1. **The Company has procurement process for equipment and others working items that encourage environment friendliness.**

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- 1) **Multifunctional-Copy, Print and Scan**
 - 1.1 Rent a copy machine that meets the ENERGY STAR that reassure the machine in certified for 30% save up of production energy usage and avoid the use of hazardous material or use minimally which help to reduce global warming.
 - 1.2 All printer and copy machined in the Company can be used with 70 gram paper to reduce the amount of pulp and weight in transportation.
 - 1.3 All printers and copy machines in the Company can be need with recycled paper.
 - 1.4 Employees are trained to use copy machine properly in order to avoid and reduce paper wastage.
 - 2) **PC Desktop / Notebook**
 - 2.1 Must be certified on quality standard by Thai Industrial Standard Institute or ISO 9000 or ISO 14000 certification otherwise must be certified for environmental friendly labeling.
 - 2.2 Notebook's spare battery has at least 1 year life time warrantee.
 - 3) **Paper (A4) 70/80 gram**
 - 3.1 Must be certified on quality standard by Thai Industrial Standard Institute or ISO 9000 or ISO 14000 certification otherwise must be certified for environmental friendly labeling.
 - 3.2 Paper that has been used must be products that been produced from virgin pulp from sustainable forests or from recycled pulp.
 - 4) **Air Conditioner**

The Company use air conditioner system that have energy saving labels ENERGY STAR and use R32 refrigerants that do not contribute to global warming, do not release greenhouse gases and reduce the destruction of the ozone layer.
2. **The Company always selects our supplies and business partner who have been certified on Environment and Social Standard Quality Certification**
- Huawei**
- ISO 50001 Certified Energy Management System
 - ISO 9001 Quality Management System
 - ISO 14001 Certified Environment Management System
 - ISO 14064 Greenhouse Gas Verification Statement
 - Eco-friendly Certification by CEC for Network Firewalls
 - CQC Certification for Energy-Efficient Products
- CISCO**
- ISO 9001 Quality Management System
 - ISO 14001 Certified Environment Management System
 - ISO 27001 Information Security Management System
 - TL 9000 designed specifically for the telecommunications industry based around ISO 9001
- Oracle**
- ISO 9001: 2015 Quality Management System
 - ISO 14001 Certified Environment Management System
 - ISO 20000 IT Service Management Processes
- Nokia**
- ISO 9000 Quality Management System
 - ISO 14001 Certified Environment Management System
 - ISO 22301 Business Continuity Management
 - ISO 45001 Occupational health and safety management systems
3. **The Company has a working system that is environmental friendly**
- 1) Use the online system to process documents related to purchasing to reduce paper usage.
 - 2) Encourage meeting online in order to reduce travel which will help reducing the use of oil resources and air pollution.
 - 3) Consolidation the purchase of office supplies, stationary and consumables once a month to reduce working process and reduce the number of shipments.
 - 4) Change to use water filtration machine to supply drinking water instead of buying bottled water to save transportation oil and reduce plastic bottles usage.