

COMMUNITY

ENGAGEMENT AND SUSTAINABLE SOCIAL DEVELOPMENT

Ratch Pathana and Affiliates places great importance on community and social development, focusing on creating participation and improving the quality of life for people in the community while preserving traditional lifestyles. The group promotes the development of community potential and addresses social issues to enable self-sufficiency in a sustainable manner. At the same time, the business operates on the foundation of social responsibility, aiming to create sustainability in all dimensions.



Policy on Community/Social Development and Engagement

The company has set guidelines for community development and engagement in its sustainability policy under the social dimension as follows:

- **Community Involvement and Development:** Promote the development within the community, including education, economy, quality of life, and society as a whole, with corporate social responsibility (CSR). It also encourages employees to participate in public benefit activities and the preservation of the community's cultural traditions regularly.
- **Human Rights and Labor Practices:** Respect and support the protection of human rights in all forms. Treat stakeholders, others, and employees equally, regardless of gender, age, skin color, education, nationality, religion, and personal beliefs. Ensure that employees receive fair rights, benefits, and welfare in accordance with labor laws.
- **Capability Development and Employee Retention:** Focus on developing the potential and capabilities of employees by supporting training, knowledge sharing, and providing necessary resources so they can work to their full potential. Encourage creativity and a sense of entrepreneurship.
- **Health and Safety Environment:** Enhance health and safety in the workplace by promoting awareness and providing continuous education on occupational health and safety for employees.
- **Participation of Stakeholders:** Promote collaboration with all stakeholders to achieve mutual benefits, find solutions, and establish appropriate measures. Set clear communication channels that are diverse and in line with the lifestyles of all stakeholder groups.

Sharing Benefits with Society

In 2024, the company carried out 343 projects/activities for community/society development and assistance, with a total value of 9,732,737.78 baht.



Power Development Fund for Local Development

The Power Development Fund was established by the decision of the Energy Regulatory Commission, Ministry of Energy, to improve the quality of life and local development in areas surrounding power plants. Ratch Pathana and Affiliates has contributed funds to the Electricity Development Fund based on the capacity and type of power plant. Additionally, a Community Development Fund was established around the Biomass Collection and Processing Center in Lamphun Province, which serves as the source of biomass fuel for the biomass power plant. The fund allocates budgets for local development and improving the quality of life in the community through various projects, such as:

- Promoting community shop occupations
- Donating medical equipment to community health promotion hospitals
- Upgrading the village public announcement system
- Supporting fitness equipment for the community
- Improving the village water supply system
- Road repair projects

Moreover, the company has sent representatives to attend meetings and provide suggestions to serve as information for considering various projects.



In 2024, the Ratch Pathana and Affiliates contributed funds to be donated to local areas for quality of life development, with a total value of 8,356,283.53 baht, consisting of:

Electricity Fund for Local Development	Value (THB)
Chonburi Province Electricity Development Fund 1	7,027,495.16
Kamphaeng Phet Province Electricity Development Fund 8	562,581.43
Lamphun Province Electricity Development Fund 3	666,206.94
Biomass Collection and Processing Center Development Fund (Lamphun), Saha Cogeneration Green Co., Ltd.	100,000
Total	8,356,283.53



The Ratch Pathana and Affiliates energy business focuses on fostering participation and social development, especially in communities surrounding power plants, which may be impacted by the company's operations. In addition to conducting environmentally friendly business practices, the company also emphasizes co-creating

value and developing communities to grow alongside energy security. The company considers minimizing negative impacts and creating benefits for the community at every stage of its business operations. As a result, the company has implemented corporate social responsibility projects that are aligned with and interconnected throughout the entire business process, aiming to develop community potential and address social issues sustainably in all aspects. In 2024, the company carried out community involvement and social development projects, focusing on creating benefits for the community, participating in development, and addressing social issues at the local level. These projects were driven by the needs of the community, as follows:



Examples of Key Projects in 2024

Category	Project/Activity Name	Objective	Cost (Baht)	Outcome/ Benefits
Education 	1. Drawing and Coloring Contest: Childhood Dreams and Sustainable Energy Conservation” (Continuing for the 15 th year	Promote the development of skills and creativity in the arts of children and youth.	50,000	Children and youth received educational opportunities, with 100 participants from 26 schools.
	Is Scholarship Program (Continuing for the 16 th year)	Support scholarships for children and youth in the areas surrounding the power plant.	70,000	Children and youth received educational opportunities, with 60 participants from schools.
Sports 	1. Community Sports Engagement 2. Senior Football 3. Sports Against Drugs Project 4. Donate Sports Equipment to Undersupplied Schools	Promote exercise for health and support the beneficial use of free time, as well as foster good relationships between the company and the community/local authorities.	49,500	Support sports-related projects, totaling 26 initiatives.



Category	Project/Activity Name	Objective	Cost (Baht)	Outcome/ Benefits
Environment 	1. Community Campaign to Address Illegal Waste Disposal Issues 2. Waste Sorting Project 3. Environmental Conservation Awareness Initiative 4. Green Space Expansion Project 5. Clean Canal and Clear Water Project	<ul style="list-style-type: none"> Promote and maintain the environment and support the valuable use of natural resources Engaging with the community/local agencies in promoting environmental conservation and restoration. 	324,029.90	Supporting 19 environmental activities/projects.
Religion/ Culture/ Local Traditions 	1. Key Buddhist activities include Asalha Puja, Magha Puja, Vesak Day, Kathina, and Pha Pa (forest robe offering), etc. 2. Local traditions include various cultural festivals such as the Songkran Festival, the communal rice harvesting tradition, and specific regional ceremonies. Chonburi Province: Phra That Water Pouring Ceremony, Boon Poy Luang Festival Lamphun Province: Khun Nam Spirit Worship Ceremony Kamphaeng Phet Province: Nop Phra Len Phleng Religious Festival These are just a few examples of the rich cultural and religious heritage observed in different regions. 3. Songkarn 4. Loykratong	<ul style="list-style-type: none"> To preserve valuable traditions and culture while promoting the company's engagement with the community. To uphold religion, preserve culture, and maintain local traditions as fundamental elements in strengthening communities and fostering a livable society. 	109,606	Supported and participated in a total of 93 religious, traditional, and cultural activities.



Category	Project/Activity Name	Objective	Cost (Baht)	Outcome/ Benefits
Public Benefit / Charity 	1. Community Development Volunteer Project 2. Electricity for Community Water Supply Project 3. SGF-PEA Project for Community and Society 4. Drinking Water for the Community Project 5. Ratch Pattana Rongjimbob Ai Uin Project: Creating Smiles and Warmth 6. SGF Project: Sharing Love with Younger Generations	To foster participation, develop local areas, and support community activities and organizations related to business operations.	260,389.40	Supported a total of 46 public benefit projects.
Quality of Life 	1. Short-Term Vocational Training Project for the Community 2. Biomass Ash Soil Amendment Material Promotion Project 3. “Developing the Potential of Village Health Volunteer Youth (Junior VHVs)” Project	<ul style="list-style-type: none"> Promote skills and improve the quality of life of people in the community/ local area. Promote and collaborate in developing the community economy system to be self-reliant and sustainable. 	264,233	Supported a total of 87 activities/projects aimed at improving the quality of life.





Youth Volunteer Village Health Worker (Junior VHV) Potential Development Project.

Ratch Pathana Energy Public Company Limited has implemented the Junior Village Health Volunteer (Junior VHV) Potential Development Project since 2010. The objective of the project is to promote learning in community public health and instill a sense of responsibility in youth regarding health care and volunteerism to help society. The project is held annually, recruiting children and youth aged 10–17 living in communities around the Ratch Pattana Power Plant (Chonburi) to participate in training courses related to health care and community development volunteerism. The courses include basic first aid, fire safety, mangrove forest conservation and restoration, waste sorting, and youth volunteerism for sustainable development, among others.

In 2024, 50 participants completed the Junior VHV program (14th batch). Since its inception, the Junior VHV project has produced 423 youth volunteers who are ready to help their communities and society. The company remains committed to continuing the development and implementation of this project and aims to be part of laying the foundation for the volunteer spirit in Thai youth, helping them grow into good members of society.



“Ratch Pathana Rongjai Mob Ai Uin, Creating Smiles” Project

The company is committed to creating a quality society and providing opportunities for the underprivileged through the “Ratch Pathana Rongjai Mob Ai Uin, Creating Smiles” project. This initiative is continuously carried out to support and assist disadvantaged groups, including children, the elderly, and people with disabilities.

In 2024, the company organized an event at the Prachinburi School for the Deaf, located in Nern Hom Subdistrict, Mueang District, Prachinburi Province. The goal was to help and share happiness with children who have hearing impairments, intellectual disabilities, autism, physical disabilities, or those who have been abandoned and lack caregivers. A total of 220 children under the school’s care benefited from this activity. The event included the donation of essential items and the provision of a lunch to create a warm atmosphere and bring smiles to the children.

Over the 11 years of the “Ratch Pathana Rongjai Mob Ai Uin, Creating Smiles” project, the company has assisted and supported over 1,000 underprivileged individuals in society. The company will continue to uphold its mission of giving and improving the quality of life for the disadvantaged to promote valuable and sustainable coexistence in society.





“Goodness Seed” Volunteer Project

Promoting a Culture of Sharing and Spreading Goodness to Society

The company values kindness, sharing, and assisting the underprivileged, especially vulnerable groups, through the promotion of volunteerism within the organization under the “Goodness Seed” project. The goal of this project is to instill and encourage employees to recognize the value of giving without expecting anything in return, fostering a sense of social responsibility, and inspiring the expansion of volunteerism throughout the organization. The project includes the following activities:

1. “Goodness Seed” Volunteer Activity

The company organizes this activity once a year to select employees who stand out in doing good deeds and helping others to be “Role Model Volunteers.” The purpose is to inspire colleagues and encourage a culture of sharing within the organization.

2. Community Development Volunteer Project

The company provides opportunities for employees to participate in social activities, such as helping the underprivileged, vulnerable groups, and disaster victims. These activities include donating goods and going into communities to provide assistance.

In 2024, the company collaborated with a volunteer network to organize the “Sharing Compassion with Flood Victims” activity in the Northern region. Employees were invited to donate essential items, and a team of volunteers was sent to assist flood victims in the provinces of Chiang Rai, Phayao, Phrae, Nan, Chiang Mai, Lamphun, and Sukhothai, which were affected by the flooding.



The “Goodness Seed” project not only promotes good deeds within the organization but also serves as a driving force to create a society of sharing and sustainability. The company is committed to expanding this project into an organizational culture that continuously sparks volunteerism, helping to build a strong and sustainable society in the long term.



Biomass Ash Value-Added Project

Biomass ash is a byproduct of the energy production process at biomass power plants. It is alkaline and contains essential nutrients that plants need, making it suitable for agricultural use as a soil amendment material. There is significant interest among farmers in utilizing biomass ash to increase agricultural productivity, particularly among bamboo growers, rice farmers, longan orchard operators, and sugarcane farmers, among others. Additionally, biomass ash is also suitable for use in the production of construction materials, such as lightweight bricks or concrete blocks. Since 2013, the company has been collaborating with local educational institutions to study and continuously develop the use of biomass ash.

Utilization of Biomass Ash

The company has applied the results of research studies to further develop and disseminate knowledge on the utilization of biomass ash to farmers and interested parties. This is done through community-based enterprises, training programs, and study tours in surrounding areas. Examples include the promotion of agricultural materials, soil improvement, and planting materials using biomass ash, the “Public-Private Partnership Project: Teaching Kids to Grow Vegetables,” and the “Sustainable Kra Prai Project,” among others.

Biomass Ash Utilization Project 2022-2024

Year	Number of users (individuals)	Amount of usage (tons)	Total value (THB)
2022	19	6,131	613,129
2023	33	5,846	644,221
2024	18	2,035	244,219

Benefits from the project



1. Creating added value and increasing income for farmers, totaling 244,219 THB.
2. Reducing costs from purchasing chemical fertilizers, totaling more than 100,000 THB.

1. Reducing waste and increasing the value of biomass ash, totaling 5,846 tons.
2. Reducing the use of chemicals that are harmful to soil resources, health, and the environment.
3. Improving agricultural land and enhancing soil fertility.



Biomass Value-Added Project “Turning Wood Waste into Energy” “Reduce burning, reduce smoke problems.”

Ratch Pathana and Affiliates focuses on the development of comprehensive renewable energy solutions while promoting the circular economy through the “Clean Energy from Biomass” project. This initiative aims to add value to agricultural by-products such as wood scraps, sawdust, corn stalks, sugarcane leaves, and cassava roots, instead of burning them. This helps reduce the smoke problem and promotes the sustainable use of clean energy.

The company has established a biomass collection and processing center to serve as a hub for purchasing biomass from local farmers. This biomass is used as fuel to generate electricity and steam for the Group’s biomass power plants. This project has been in operation since 2010 and continues to this day, providing income for farmers, reducing agricultural waste, and contributing to the reduction of greenhouse gas emissions.

The biomass value-added project provides benefits in terms of the economy, society, and the environment, including income distribution to local communities, job creation, and reducing the burning of agricultural by-products in open areas. This helps alleviate issues related to smog or air pollution and reduces greenhouse gas emissions.

In 2024, the company purchased a total of 235,003 tons of agricultural by-products, with a total value of 287,998,663.07 THB, from over 2,000 small-scale farmers. The details of the results are as follows:

Biomass types	Weight (tons)	Value (THB)
Wood chips	94,001	144,203,597.39
Wood scraps	77,412	82,544,435.68
Rice husks	26,466	34,955,227.60
Corn stalks	17,993	15,207,117.10
Sugarcane leaves	19,131	11,088,285.30
Total	235,003	287,998,663.07

The purchase of biomass helps reduce the problem of uncontrolled burning of agricultural by-products, which aligns with the government’s policy to promote the cessation of agricultural burning after the harvest season. The company also encourages farmers to sell their agricultural by-products to power plants for use as biomass fuel instead of burning them. This not only helps increase income for farmers but also contributes to reducing smog and air pollution.

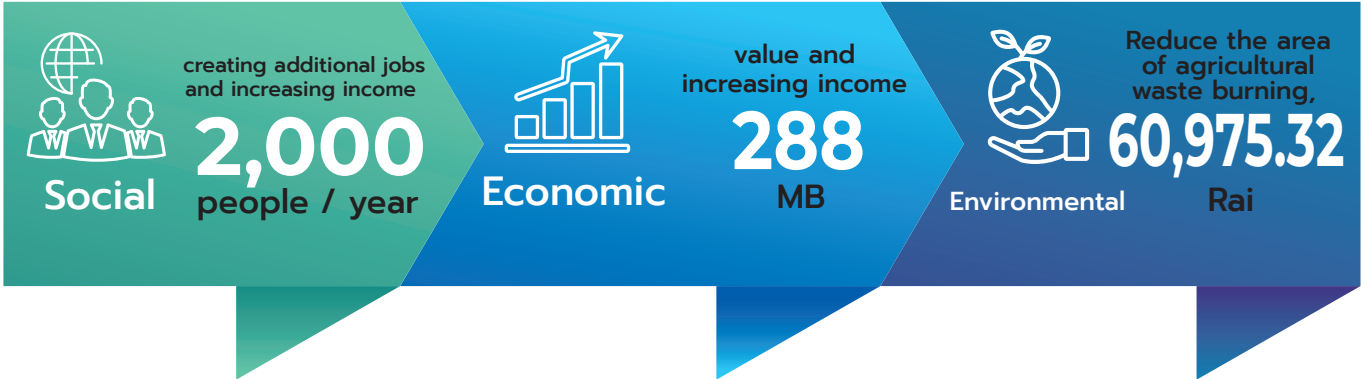
In 2024, the company used alternative biomass fuel to generate energy, helping reduce agricultural burning. This is equivalent to reducing the burning of corn stalks by 51,409.70 Rais and the burning of sugarcane leaves by 9,565.62 Rais

Alternative biomass types	2022		2023		2024	
	Quantity (tons)	Area of reduced burning (Rais)	Quantity (tons)	Area of reduced burning (Rais)	Quantity (tons)	Area of reduced burning (Rais)
Corn stalks	20,914	59,754	21,154	60,440	17,993	51,409.70
Sugarcane leaves	50,695	25,347	26,972	13,486	19,131	9,565.62
Total	71,609	85,101	48,126	73,926	37,124	60,975.32

Note: Data statistics on the utilization of alternative biomass by the Ratch Pathana and Affiliates

- For corn planting, 1 Rais produces approximately 350 kg or 0.35 tons of corn stalks and corn husks per Rais.
- For sugarcane planting, 1 Rais produces approximately 2 tons of sugarcane leaves per Rais.

Benefits from the project 2024



Reduce unemployment rates / create jobs for small-scale farmers in a continuous business from upstream to downstream, more than 2,000 people per year.



Generate income for farmers selling biomass, distributing income to local communities, with a total value of over 200 million baht per year.



- Alleviate the PM 2.5 dust problem and reduce the issue of uncontrolled burning of agricultural waste by utilizing biomass to produce energy with modern technology.
- Reduce the area of agricultural waste burning, equivalent to reducing the burning of sugarcane leaves and corn stalks, totaling over 80,000 Rais per year.
- Help reduce greenhouse gases by more than 100,000 tons of CO₂ per year.



Fast-growing trees for energy project



The “Fast-Growing Trees for Energy” project focuses on planting various fast-growing tree species, such as Leucaena leucocephala, Giant Leucaena, Narong Leucaena, Eucalyptus, Mahogany, and Rain Tree. The project involves planting and harvesting in rotation every 2–5 years to use as a sustainable renewable energy source for the alternative energy business within the cogeneration group. Additionally, it contributes to increasing green spaces and reducing global warming.

This project has been in operation since 2007. Currently, there is a total of 3,219 Rais of fast-growing trees planted, with ages ranging from 1 to 5 years, in the Lamphun and Lampang provinces. Over 859,473 trees have been planted so far.

In addition to promoting renewable energy, this project also provides economic and social benefits to local communities. It creates employment for over 200 people annually and generates income for farmers in the area, totaling more than 1,000,000 baht per year. This project is therefore an important approach that helps drive the local economy while simultaneously contributing to sustainable environmental conservation.

The results of the “Fast-Growing Trees for Energy” project between 2022 and 2024.

Year	Area of tree planting (Rais)	Number of trees (trees)
2022	3,570	953,190
2023	3,276	874,692
2024	3,219	859,473

Survey of community attitudes towards the company’s operations.

In 2024, the company conducted a public opinion survey in the area surrounding the power plant from the operation of the Phase 4 Expansion Cogeneration Power Plant Project (SPP Replacement), conducted by Eastern Thai Consulting 1992 Co., Ltd., which is authorized by the Department of Industrial Works and registered as a private laboratory for analysis. The survey was carried out using a Simple Random Sampling method, sampling the population to assess community attitudes, socio-economic conditions, and environmental attitudes in the present day. The survey is conducted once a year, gathering opinions from residents living within a 5-kilometer radius of the power plant. The purpose of the survey is to

- 1. To study the level of public attitudes towards environmental management and corporate social responsibility operations.
- 2. To assess the level of public satisfaction with the projects implemented by the power plant.
- 3. To compare the level of public attitudes towards environmental management and corporate social responsibility operations within the inner 5-kilometer radius of the power plant.

The results of the community attitude survey towards Ratch pathana Energy Public Company Limited.

Survey topics	Satisfaction level survey (%)	
1. The level of attitude towards the company's community and social operations image.	88.90	Excellent
2. The level of public satisfaction with the social and community development projects implemented by the company.	100.00	Excellent
3. The level of satisfaction with the changes/development in the community and society resulting from the company's operations.	78.00	Good
4. The level of attitude towards the strength and quality of the organization's social efforts in the local community.	88.10	Excellent

Monitoring and evaluating the impact on the community from the company’s business operations.

Stakeholder participation

The company values stakeholder participation by providing opportunities for feedback and suggestions on organizational development through various channels, including:

- Disseminating information through the company’s communication channels
- A complaint reception channel through community relations officers
- Communication through community leaders and other channels of the company

The suggestions received from stakeholders will be considered to improve and develop the company’s operations to align with the needs of the community and society.

Tri-party Committee

The company has established a Tri-party Committee as a platform for exchanging information, monitoring, auditing, and evaluating the company’s operations, with an emphasis on participatory operations. This helps promote transparency and the involvement of all sectors, leading to the long-term sustainability of both the organization and the community.

Disputes with the community/society in 2024.



Measures or approaches for managing disputes with the community/society.

1. Establish a Tri-party Committee to monitor and oversee the company's operations and serve as a platform or channel for communication with the community.
2. Establish guidelines for handling complaints or disputes with the community/society as follows:
 - o Community relations officers/sustainability officers or environmental officers receive complaints
 - o Investigate the facts
 - o Notify the complainant of the results
 - o In case of impact from the company, coordinate with relevant agencies to expedite problem resolution
 - o Follow up on the resolution process and inform the complainant once the issue is resolved.
3. Communicate and disseminate information to the community through all channels consistently and comprehensively.

