

## Improvement of quality of life

In 2024, RATCH and communities jointly launched activities to strengthen their resilience to possible impacts particularly on safety; and preparation for the intensifying climate change and its direct impacts on communities.

RATCH Group PCL.	
Recyclable calendars	
Objectives	To promote creative recycling of resources, reduce waste, and provide learning materials made from old calendars to the visually-impaired people.
Actions	Publicized the project and set up donation boxes inside RATCH Group Building.
Outcomes	115 donors donated 243 old calendars to the Educational Technology Center for the Blind.
RATCH Self-Learning Promotion Project's	
Objectives	<ul style="list-style-type: none"> <li>To promote self-learning and creativity among kindergarten and elementary-level students via favorable learning environment as well as proper learning and reading materials.</li> <li>To deliver solar power-harnessing device, to promote clean energy and reduce carbon emissions.</li> </ul>
Actions	<ul style="list-style-type: none"> <li>Improved libraries and provided general-knowledge reading materials to kindergarten and elementary-level students.</li> <li>Installed solar power generation equipment which can generate up to 4.56 kilowatt-hours.</li> </ul>
Outcomes	<ul style="list-style-type: none"> <li>Students had an appropriate place and appropriate materials for their learning. A number of 450 students used library services.</li> <li>Electricity consumption during August and December 2024 decreased by 1,104.55 kilowatt-hour, indicating the reduction of greenhouse gas emissions by 552.16 kgCO<sub>2</sub>e.</li> </ul>
Blood donation	
Objectives	To encourage employee and supplier engagement in doing a good deed by increasing blood supply for the Thai Red Cross Society.
Actions	Coordinated with the Thai Red Cross Society for the arrangement of a mobile donation vehicle for the donation by employees of RATCH and suppliers and relevant government offices.
Outcomes	45 donors donated 19,350 cc of blood.
RATCH's Mangrove Reforestation Volunteering	
Objectives	To promote environmental preservation and rehabilitation via mangrove reforestation and green area enhancement, to sequester carbon dioxide and mitigate climate impacts.
Actions	Organized a reforestation and crab-releasing activity at Bang Pu Nature Education Center.

Outcomes	20 volunteers planted 200 mangrove trees on a 1-rai area which should sequester approximately 2.75 tCO <sub>2</sub> e/year and released 10 kg of sea crabs, to help rehabilitate the mangrove ecosystem and ensure more abundance.
<b>Ratchaburi Power Plant</b>	
<b>CSR IN SCHOOL</b>	
Objectives	<ul style="list-style-type: none"> <li>To build knowledge on the preparation of fire-fighting and evacuation plans for schools and exercise drills.</li> <li>To ensure school personnel's ability to follow "Safe School" Manual.</li> <li>To build a safe school network for the personnel of schools around the power plant.</li> </ul>
Actions	Organized a workshop for 27 networked schools for the preparation of Safe School Manual that contains fire-fighting and evacuation plans in line with the policy by the Ministry of Education's Office of the Basic Education Commission and exercise the drills.
Outcomes	<ul style="list-style-type: none"> <li>4 pilot schools – Wat Nhong Aiean, Wat Pikul Thong, Wat Chaw Nhuea, and Ta Makham have fire-fighting and evacuation plans and completed the drills with supports from all relevant parties.</li> <li>Participating schools enrolled into the school safety contest by the Ministry of Labor's Department of Labor Protection and Welfare, and 20 won outstanding awards in the national level and 3 receive complimentary awards.</li> </ul>
<b>Mobile medical service</b>	
Objectives	<ul style="list-style-type: none"> <li>To offer medical treatment and healthcare advice.</li> <li>To promote public healthcare for a better community quality of life.</li> </ul>
Actions	Provide health check-up with Thai traditional and alternative medicine from the Institute of Traditional Thai Medicine and Alternative Medicine, Muban Chombueng Rajabhat University, and traditional Thai massage services from the OTOP Thai Massage Group in Ratchaburi Province.
Outcomes	<ul style="list-style-type: none"> <li>The activity served 2,727 people.</li> <li>Satisfaction score was at 96.14%.</li> </ul>
<b>For Our Home (Education Group)</b>	
Objectives	<ul style="list-style-type: none"> <li>To build knowledge and comprehension about AI &amp; digital platforms and application with classroom learning.</li> <li>To enhance educational institutions' administration and teaching/learning efficiency with AI &amp; digital platforms.</li> </ul>
Actions	Organized a workshop entitled "Digital Technology-Enabled Evaluation for New Gen Teachers", for the executives, teachers and staff of the power plant's school network.
Outcomes	27 schools participated in the workshop. (100% of the power plant's school network)

	<ul style="list-style-type: none"> <li>• 54 executives, teachers and staff of the power plant's school network attended the workshop and received certificates from the Ministry of Education's National Institute for Development of Teachers, Faculty Staff and Educational Personnel.</li> </ul>
<b>For Our Home (Public Health Group)</b>	
Objectives	To enhance the skills on first-aid, resuscitation and Automated External Defibrillator (AED); and coordination with emergency units for the safe transfer of patients.
Actions	A workshop on Cardiopulmonary Resuscitation (CPR) and the activation of Automated External Defibrillator (AED)
Outcomes	<ul style="list-style-type: none"> <li>• 96 officers from 16 Tambon (6 persons/Tambon) Health Promotion Hospitals attended the workshop.</li> <li>• Satisfaction score was 94.58%.</li> </ul>
<b>For Our Home (Government Office Group)</b>	
Objectives	To enhance administrative government officers' skills in controlling persons with drug-induced psychological symptoms, for more efficiency and safety.
Actions	Provided the appropriate equipment to assist officers' detention of persons with drug-induced psychological symptoms; organized a workshop featuring specialists on detention and crisis management; and provided a briefing on drug impacts and appropriate methods to handle persons with psychological symptoms.
Outcomes	161 officers gained more skills and knowledge about the equipment to control people with drug-induced psychological symptoms and performed their duties efficiently which reduced risks for the officers and patients.
<b>For Our Home (The Vulnerable Group)</b>	
Objectives	To improve the housing condition of poor community members, for better hygiene and convenience.
Actions	Repaired and maintained the accommodations of the poor, the underprivileged, persons with disabilities and the vulnerable in Don Sai and Baan Sing subdistricts, Photharam District.
Outcomes	4 houses were improved, ensuring better quality of life for 4 family members.
<b>For Our Home (Community Enterprise Group)</b>	
Objectives	To promote the management and recovery of aromatic coconut waste
Actions	Supported Ban Aromatic Farm Community Enterprise's study of the management technique for aromatic coconut waste and waste processing; and promoted community engagement in waste management.
Outcomes	<ul style="list-style-type: none"> <li>• The community obtained valuable products (In-kind Value and In-cash Value) from aromatic coconut waste such as biochar, fertilizer, soil improvement materials, and flooring materials.</li> <li>• Aromatic coconut waste is properly and systematically managed.</li> <li>• A coconut waste management model was created and supported a collaboration network.</li> </ul>

### RATCH Cogeneration Power Plant

#### Herbal foot soak and hand/foot exercise

Objectives	To offer traditional Thai medicine-based healthcare, including herbal foot soak, to reduce potential medical expenses.
Actions	Organized a health activity, offering the herbal foot soak and building knowledge about hand/foot exercise for better blood circulation.
Outcomes	49 members of Siripap Health Group attended the activity.

#### Community waste sorting (Youth Group)

Objectives	To instill and raise awareness on the management of community environment and reduce community waste to landfills.
Actions	Organized a talk, in collaboration with Thammasat University Rangsit Campus students (taking TU100: Civic Engagement course), on correct waste dumping and sorting for the youth.
Outcomes	20 students attended the activity were aware of the importance of community environmental management and extended the gained knowledge to other people in the community.

#### Baan Phor Phiang for the Poor (The Vulnerable)

Objectives	To improve community quality of life and develop accommodations with proper hygiene and convenience for the target group.
Actions	Repaired the accommodation for the poor and the elderly in collaboration with Tha Khlong Municipality, Pathum Thani Province.
Outcomes	36 households were repaired, allowing 146 family members to enjoy a better quality of life.

### Nava Nakorn Power Plant

#### Khlong Chiang Rak Noi's rehabilitation 2024

Objectives	To sustainably preserve water resource and rehabilitate the ecosystem for continuous abundance and balance.
Actions	A garbage collection activity along the canal in collaboration with the community.
Outcomes	Community actively participated in the activity with awareness in the need to take care of the surroundings, resulting in the good water quality and beautiful scenery.

#### Career development for community

Objectives	To enhance community members' income-generating capability and sustainable self-sufficiency.
Actions	A workshop on tie-dyed shirt making and tips to make it the source of supplementary income.
Outcomes	40 village health volunteers, community leaders and members of the communities within 5-km radius joined the activity.

Returning life to the water	
Objectives	To preserve the nature and native fish species in Khlong Chiang Rak Noi, for the abundance in the canal.
Actions	The 9 <sup>th</sup> year activity to release 5,000 tilapia fish, 5,000 striped catfish and 4,000 climbing perch to Khlong Chiang Rak Noi.
Outcomes	The activity was participated by 130 community members and students, who showed their care for local resources and received an opportunity to generate more income.
Berkprai Cogeneration Power Plant	
Self-sufficiency gardening	
Objectives	To encourage the consumption of organic vegetables which are good for health and save household expenses.
Actions	Training on organic vegetable cultivation farmers in Tha Pha Subdistrict, Ban Pong District, Ratchaburi Province and established a community learning center.
Outcomes	<ul style="list-style-type: none"> <li>• 40 farmers in Tha Pha Subdistrict, Ban Pong District, Ratchaburi Province joined the training.</li> <li>• Participants applied the knowledge with their daily life and a community learning center was established to share the knowledge.</li> </ul>
Agriculture demonstration plot in collaboration between household, temple, school and power plant	
Objectives	To promote integrated agriculture at the power plant's school network, integrating cultivation knowledge with environmental conservation. As a learning center, it is aimed to inspire sustainable agriculture for the youth and community members in the area and generate income for students.
Actions	Collaboration with 5 schools and community in developing and tendering the integrated agricultural plots
Outcomes	<ul style="list-style-type: none"> <li>• No. of participating schools: 5</li> <li>• No. of participating community members: 120</li> <li>• There is one agricultural demonstration plot used for fish farming and growing kitchen garden vegetables such as limes, acacia (cha-om), and pea eggplants, among others.</li> </ul>
Community enterprise capability development	
Objectives	To help community members earn more income from the making of unfried rice crust
Actions	Workshop on the making of unfried rice crust and value-added packaging
Outcomes	<ul style="list-style-type: none"> <li>• 80 community members at village Moo 1, Lad Bua Khao Subdistrict, Ban Pong District, Ratchaburi Province.</li> <li>• The project has been extended to cover 6 community groups.</li> </ul>

Medical checkup for community	
Objectives	To raise health awareness among community members and give them an access to preliminary screening for disease prevention.
Actions	Collaboration with Ban Bang Pang Health Promotion Hospital and Berkprai Health Promotion Hospital for the provision of medical checkup and basic health knowledge.
Outcomes	Community members, 100 persons a month or a total of 1,200 in 2024, received the checkup.
Fish release as a royal tribute and water resource preservation	
Objectives	To preserve local resources and fish species in Mae Klong River.
Actions	An activity to release fish like climbing perch, carp, catfish, eel, rohu, clown knifefish, striped catfish, and black ear catfish into Mae Klong River.
Outcomes	<ul style="list-style-type: none"> <li>• 100 representatives of government offices and community joined the activity.</li> <li>• The 10,000 released fish would enhance the abundance and generate income for the community.</li> </ul>
Ratch Pathana Energy Power Plant	
Village health volunteers (Mobile volunteers)	
Objectives	To enhance the capability of village health volunteers and make them new and strong community leaders; and to set a stage for knowledge exchange and public health improvement.
Actions	2 meetings where volunteers from different communities exchanged their knowledge and practices.
Outcomes	180 health volunteers from 7 communities were present at the meetings.
Young health volunteers (Young Volunteers)	
Objectives	To promote public health knowledge among youth volunteers.
Actions	Training focusing on health issues and the duties of young community volunteers.
Outcomes	60 health volunteers and youth volunteers from 4 target communities joined the activity.
Energy Art Contest	
Objectives	To support students with artistic skills and create a stage for an exchange of experiences and the presentation of the power plant's environmental management.
Actions	Energy Art Contest that integrated sustainable energy conservation ideas.
Outcomes	80 students from 18 schools participated in the contest.
Career development	
Objectives	To promote knowledge and skills necessary for sustainable income generation and improvement in quality of life, taking into account the resources and context of each locality.
Actions	Biannual cooking workshops on different menus like soy milk and gyoza.
Outcomes	150 members of 4 communities joined the workshop.



Songkla Biomass Power Plant	
Development of school learning center's environment	
Objectives	To ensure the proper conditions and serviceability of learning centers in terms of learning tools that meet students' needs, for the local youth's access to proper learning centers.
Actions	Improved the environment and provided learning tools to Muang Kuan Krod School in Tha Mor Sai Subdistrict, Chana District, Songkla Province.
Outcomes	Students had proper learning tools for their ages.
Hin Kong Power Plant	
First aid training	
Objectives	To enhance first-aid and basic life support skills.
Actions	Training for the village health volunteers of neighboring communities.
Outcomes	120 volunteers from Hinkong subdistricts joined the activity.
Career development for women and housewives	
Objectives	To offer them with various skills for additional income and to develop new careers.
Actions	Providing 2 trainings for enhancing basket weaving skills.
Outcomes	The number of participants totaled 100.
Green Market	
Objectives	To promote organic farming and the processing of organic products for small farmers and village health volunteers.
Actions	Setting up a market for the exchange of organic agricultural products and built knowledge to add the value.
Outcomes	1 green market in Don Tako Subdistrict are organized every month on 14 <sup>th</sup> day or on the day of the village health volunteers' meeting or the elderly meeting at the Health Promoting Hospital, with 120 participants.
Fish release to Mae Klong River	
Objectives	To preserve fish species in the Mae Klong River and maintain the balance of the aquatic ecosystem.
Actions	Release of fish species like white carp, red carp, rohu, etc. to the river, in collaboration with government offices and community members.
Outcomes	<ul style="list-style-type: none"> <li>• 176 government officers and community members joined the activity.</li> <li>• A number of 50,000 fishes was released.</li> </ul>
Community closed-circuit camera	
Objectives	To guard against burglaries and other crimes in neighboring communities and to quickly solve the incidents.
Actions	Installation of 21 closed-circuit cameras in Chedi Hak Subdistrict.

Outcomes	<ul style="list-style-type: none"> <li>The number of burglary cases in the community dropped.</li> </ul>
<b>RATCH-Lao Service Co., Ltd.</b>	
<b>RATCH Ruam Pathana School Building 4</b>	
Objectives	To construct a school building and provide learning materials for the improved learning opportunities of rural students in Lao PDR.
Actions	Developed a kindergarten facility, and solar-powered water pumping and electricity systems for Ban Kaeng Kian School in Sekong Province's Kaleum District.
Outcomes	Kindergarten students had a proper facility that supported their learning and development.
<b>Youth development</b>	
Objectives	To equip the youth in remote areas with career skills.
Actions	Organized career development training at Don Bosco Vocational Training Center and vocational training center of Lao People's Revolutionary Youth Union and the youth in the provinces of Phongsaly, Houaphanh, Xiangkhouang, Khammouane, Sekong, and Attapeu.
Outcomes	The youth received skill training.