

Energy Efficiency Initiatives

2022 Targets

- Heat rate meets annual targets.
- Energy saving meets each project's target.

Performance

- Heat rate of combined cycle power plants and cogeneration power plants meets the annual target. The heat usage reduced 543,027 MMBTU
- Energy saving target of all projects was achieved

All 7 power plants in the Company Group and head office implemented 22 fuel- and energy-saving activities, resulting in 23,620 million BTU of saved heat rate and 5,775 megawatt-hours of saved electric power equivalent to 6,347 tCO₂e of reduced emissions. This translated into a decrease in expenses by THB 2.1 million.

Performance in 2022

PROJECT/ACTIVITY	2022 Energy-saving target	No. of activities/projects	Saved heat usage (million BTU/year)	Saved energy (kWh/year)	Saved expenses (BAHT/year)	Investment (BAHT)	Reduced GHG emissions (tCO ₂ e)
Ratchaburi Power Plant	Electric power 3,257,000 kWh	4	-	3,210,687	9,634,395	128,000	1,605
Nava Nakorn Power Plant	Heat rate 11,659 MMBTU	3	2,793	-	1,448,270	-	409
Berkprai Cogeneration	Electric power 156,363 kWh	5	1,565	169,989	824,123	-	314
RATCH cogeneration	Electric power 725,810 kWh	3	-	974,484	3,897,936	1,077,440	487

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Sahacogen (Chonburi)	Heat rate 26,336,936 MJ	5	19,261	1,153,927	3,817,335	396,574	3,399
Head Office	Electric power 19,523 kWh	2	-	265,954	180,959	543,610	133