

Banpu Power FY24 & 4Q24 results

Opportunity Day

6th March 2025



DISCLAIMER

The information contained in this presentation is intended solely for your reference.

This presentation contains "forward-looking" statements that relate to future events, which are, by their nature, subject to significant risks and uncertainties. All statements, other than statements of historical fact contained in this presentation including, without limitation, those regarding Banpu Power's future financial position and results of operations, strategy, plans, objectives, goals and targets, future developments in the markets where Banpu Power participates or is seeking to participate and any statements preceded by, followed by or that include the words "believe", "expect", "aim", "intend", "will", "may", "project", "estimate", "anticipate", "predict", "seek", "should" or similar words or expressions, are forward-looking statements.

The future events referred to in these forward-looking statements involve known and unknown risks, uncertainties and other factors, some of which are beyond our control, which may cause the actual results, performance or achievements, or industry results to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements.

These forward-looking statements are based on numerous assumptions regarding our present and future business strategies and the environment in which Banpu Power will operate in the future and are not a guarantee of future performance. Such forward-looking statements speak only as of the date on which they are made. Banpu Power does not undertake any obligation to update or revise any of them, whether as a result of new information, future events or otherwise. The information set out herein is subject to change without notice, its accuracy is not guaranteed, has not been independently verified and it may not contain all material information concerning the Company.

Banpu Power makes no representation, warranty or prediction that the results anticipated by such forward-looking statements will be achieved, and such forward-looking statements represent, in each case, only one if many possible scenarios and should not be viewed as the most likely or standard scenario. No assurance given that future events will occur or our assumptions are correct. Actual results may materially differ from those provided in the forward-looking statements and indications of past performance are not indications of future performance. In no event shall Banpu Power be responsible or liable for the correctness of any such material or for any damage or lost opportunities resulting from use of this material.

Banpu Power makes no representation or warranty regarding the opinions, forecasts, or statements of any analysts, advisers, partners, or other third parties. Any financial outlooks or forward-looking statements, including but not limited to metrics such as EBITDA and net profit, that may be issued or released by BPP's partners, or other third parties are solely their own and do not reflect the views of Banpu Power. Banpu Power assumes no responsibility for their accuracy, credibility, or future realization of any such statements.

Furthermore, Banpu Power does not monitor, verify, or control third-party opinions or statements and does not endorse or assume liability for their content or use. Under no circumstances shall Banpu Power be liable for any direct, indirect, incidental, consequential, or special damages arising from reliance on or use of such information.

Banpu Power's securities have not been and will not be registered under the U.S. Securities Act of 1933, as amended, or the securities laws of any state of the United States, and may not be offered or sold within the United States, except pursuant to an exemption from, or in a transaction not subject to, the registration requirements of such act or such laws.

This presentation does not constitute an offer to sell or a solicitation of an offer to buy or sell Banpu Power's securities in any jurisdiction.

Highlights 2024

2024. Highlights

Portfolio highlight

OPERATION

3,584 MW

Total capacity²

RMB 28 million

Record-high Carbon Emission Allowance (CEA) revenue Company CREDIT RATING

A+

Awarded by Tris Ratings, with a stable outlook

AWARDS

AAA

Awarded by the SET ESG Rating 2024, for strong commitment to sustainable and responsible operations

Financial highlight

THB 25.8 bn

Revenue

Significant contribution from Temple I and II in the US

THB 7.4 bn

Consol. EBITDA¹

Strong contributions from thermal assets

THB 1.7 bn

NPAT

Operational resilience mitigating market impacts

0.49 x

Net D/E

Maintained net D/E at a low level

THB 0.6

Annual Dividend per share²

Consistent return to shareholder



Key achievements.

2024

Corporate achievements

1H24 BPP STRATEGIC PLANNING

Focused on strategic planning and deep knowledge building of new industries, alongside internal cash flow forecasting, to formulate BPP's 2025-2030 roadmap GLOBAL BUSINESS OUTLOOK AWARDS

MOST SUSTAINABLE ENERGY COMPANY - THAILAND 2024 JUL'24

SENATE COMMITTEE

Good People, Protect the World Plaque AUG'24 CEO ECONMASS AWARDS 2024 TOP SENIOR CEO NOV'24

Renewables+

COMMERCIAL OPERATIONS
BANPU NEXT & SVOLT
(THAILAND) BATTERY
PACK FACTORY

2.0 GWh committed capacity

1024

TRADING-AS-A-SERVICE ENSPIRED INVESTMENT EUR 3 M



2Q24

GROWTH: UTILITY SOLAR

AMP JAPAN

\$145 M INVESTMENT

3Q24

MOU: SHANXI GOVT.
RENEWABLES DEV.

MARKET ENTRY

CRR TRADING IN ERCOT

GROWTH: BESS
2 NEW BESS PROJECTS
AIZU (26 MW) & TSUNO (26 MW)

Thermal

STRATEGIC OPERATIONAL EXCELLENCE ACROSS THE PORTFOLIO

IMPLEMENTATION OF OPERATIONAL IMPROVEMENTS & COST-SAVING MEASURES

PORTFOLIO RATIONALIZATION

NAKOSO DIVESTMENT

THB 1.2 bn proceed

Transition to low-carbon energy generation, capital recycling into high-growth areas, and long-term value creation for stakeholders

4Q24



outlook.



BPP's portfolio is strategically positioned in key markets like China and US, the world's top electricity demand hubs, with strong growth potential in APAC.

Thailand

Power Tariff Reductions have no Impact to BPP

Plans to lower power tariffs as well as improve T&D system to reduce energy losses.





290,000 tCO2e

Forecasted 2025 CEA gains

High revenue generation projected as trading volumes remain high under tighter industrial carbon caps

Renewable Energy Ambitions

Reliable generation from coal amidst strong renewable energy build out.

DeepSeek & Jevons Paradox

China

Emergence of AI with potentially greater efficiency and cost could lead to increase in power demand.

BPP can leverage upsides in China through CEA trading in the carbon market and expanding generation portfolio to capture growing demand for green energy

No impact of tariff adjustment on BPP assets

as HPC and BLCP both have secured PPA agreement and low-cost baseload energy assets.

Opportunity for additional revenue from outside-CAH¹

HPC and BLCP maintain high EAF2 through efficient operations, with potential upside from outside-CAH



2025 outlook: growing US power market driven by data centers and Al

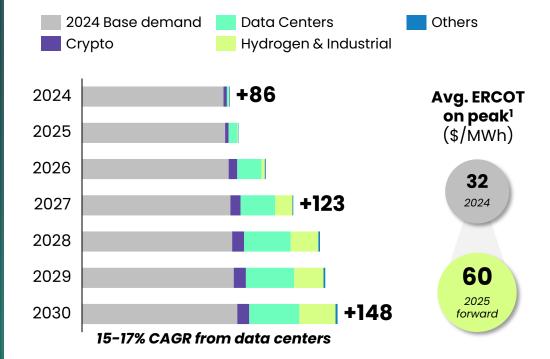


US

Generative AI, machine learning, and cryptocurrencies, through data centers, are becoming the new major electricity consumer

ERCOT Installed Load Growth (GW)

Energy transition and digitalization are driving load growth to 2030



Continued growth of renewables in parallel to gas expected despite Trump's presidency



Federal policies promoting relocation of offshore manufacturing and expansion of domestic production



Addition from >150 onshore manufacturing facilities² driven by new large industrial loads like semiconductor sector. with half expected to be operational by 2025.

Push for electrification across all sectors



Electric vehicle sales



Adoption of heat pumps



Energy storage integration

Banpu Power.

a unique Pan-Pacific energy platform

Balanced and robust portfolio

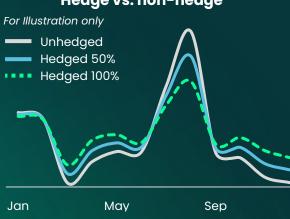
A combination of flexible assets for upside potential and legacy assets for stable long-term cash flow through fixed contracts.

Unlocking value across the energy value chain

Geographically diversified assets across the energy value chain, from traditional base load energy to digital-driven clean energy and storage.

Temple I & II - Effective Hedging and Risk Management

Monthly gross profit comparison: Hedge vs. non-hedge



Hedge Cash Flow Stability Vs. Seasonality

	2024	2025	2026 ¹
Hedging amount (MW)	700	700	200
Cash flow from hedging (\$ M)	102	146	38

- Enhancing financial stability with secured cash flow from 2025 hedging a 40% increase, while hedged capacity remained consistent with 2024.
- Covering the plants' fixed costs and financial expenses to safeguard against revenue fluctuations.

BKV-BPP JV:

a catalyst for growth in the US



Well-positioned to capture growth and paradigm shifts in the ERCOT power market and beyond

Leverage experience to pursue BESS opportunities with optimized revenue stacking capabilities amidst growing power demand from data centers and Al.



On-the-ground team ready to drive growth and stability

With an experienced team and deep industry expertise, we are well-positioned to navigate challenges, optimize performance, and seize opportunities for sustainable growth.

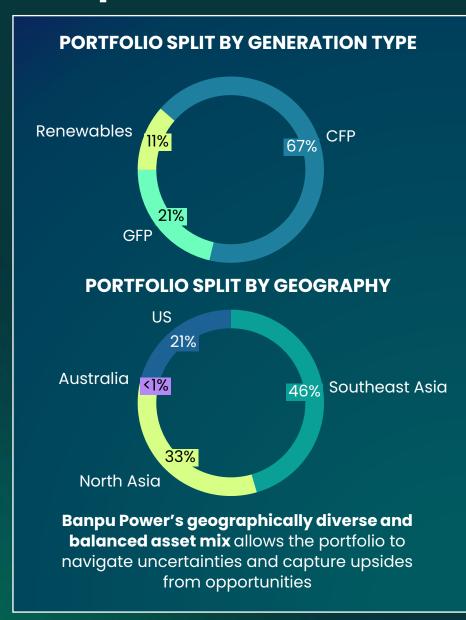


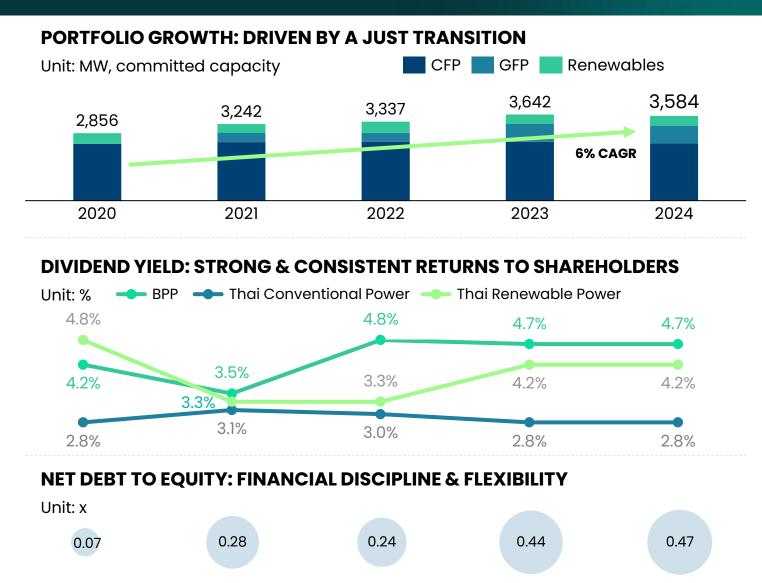
Early exposure to CCUS as a steppingstone for future power sector applications

Leveraging the JV with BKV to align with the decarbonization trend by focusing on projects near substations, like Cotton Cove, with potential for power sector carbon reduction and utilization studies.



Banpu Power: balanced and robust

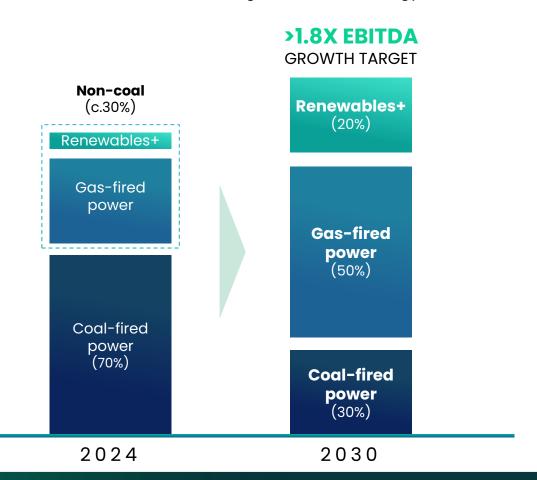




Banpu Power: ensuring resilient growth and financial flexibility

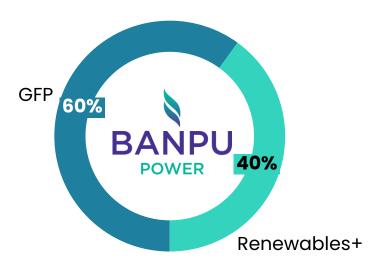
INDICATIVE EBITDA BREAKDOWN

>65% EBITDA from Greener assets by 2030, with stable cash flows, facilitating a successful energy transition.



INDICATIVE CAPEX BREAKDOWN

2025-2030



Banpu Power's capital allocation focuses on building a resilient and sustainable portfolio, prioritizing financial strength and environmental responsibility, with the goal of maximizing shareholder value.

Banpu Power: 2025-30 strategy

the portfolio.

THERMAL BACKBONE ENERGY

RENEWABLES+

DIGITAL-DRIVEN SUSTAINABLE ENERGY

the purpose.

the strategy.

Acquisition of Quality Megawatts

in both gas-fired power and renewable assets

Unlocking Value of legacy assets

- Ensure operational excellence for reliable baseload power and stable cash flow.
- Optimize and decarbonize assets for responsible end-of-life management.
- Drive growth in gas-fired power as a transition fuel, with a target of +1,500 MW in the US and other growth geographies.

Expanding Capacity

in cleaner generation

- Scale up renewable capacity with high-efficiency assets.
- Optimize asset performance for sustainable value.
- Leverage digital and grid solutions for cleaner energy.

Decarbonization and Growth

of next-gen technology

Redefining Power for the future

- Expand BESS projects in key markets to maximize dynamic revenue generation, leveraging AI and predictive analytics for optimization.
- Integrate CCUS with thermal assets to enhance value while decarbonizing operations.
- Exploring opportunities in energy transition including energy infrastructure

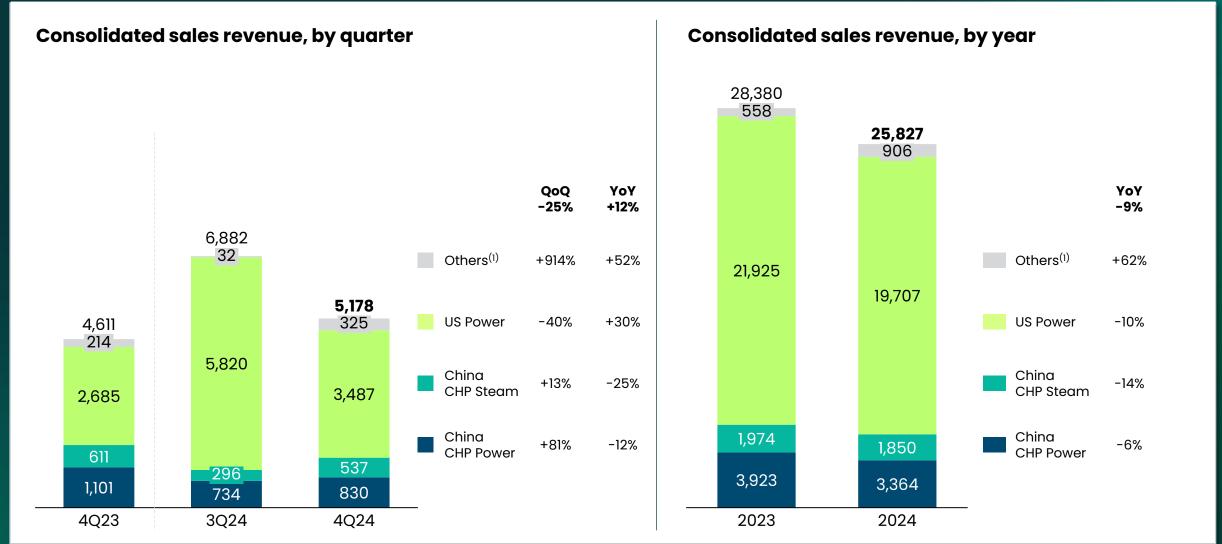
Page 11 Note: Energy Transition includes BESS, CCUS, and other energy-related businesses

FY24 & 4Q24 | Results Presentation



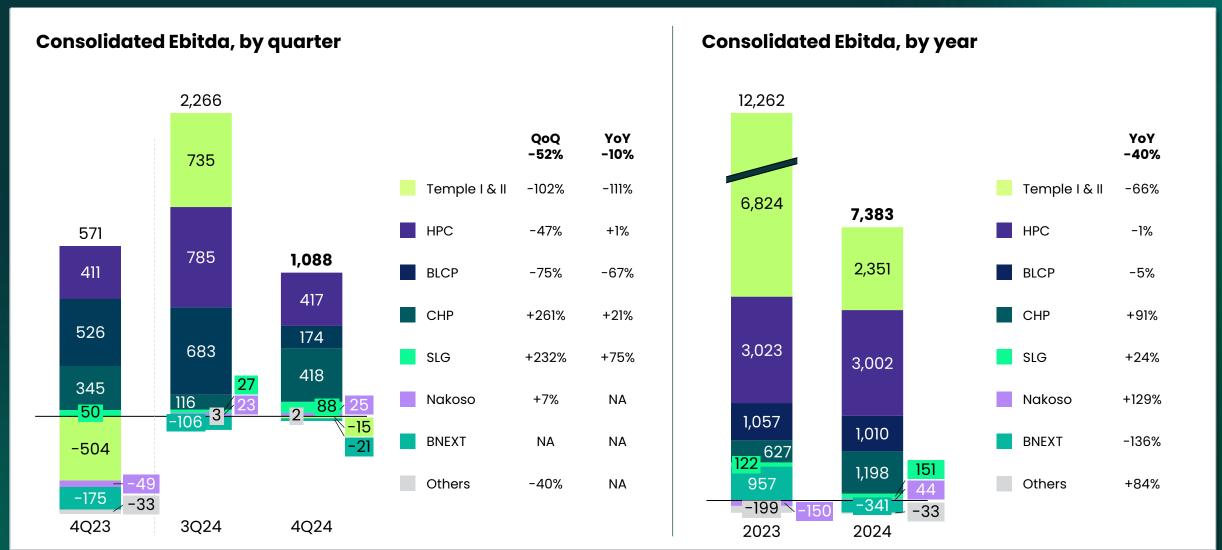
Financial performance: Consolidated Revenue – 4Q24 & FY24

Unit: THB M



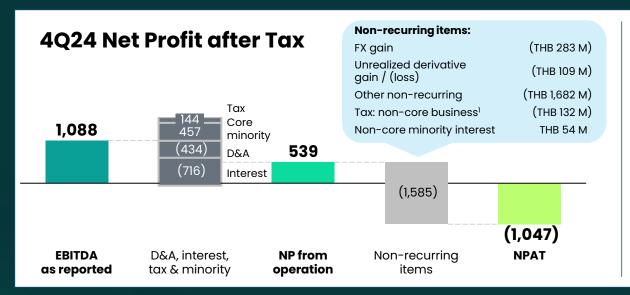
Financial performance: Consolidated Ebitda – 4Q24 & FY24

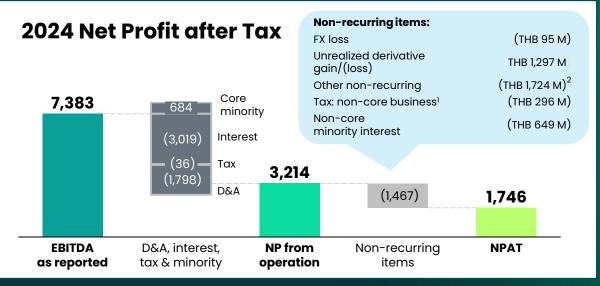
Unit: THB M

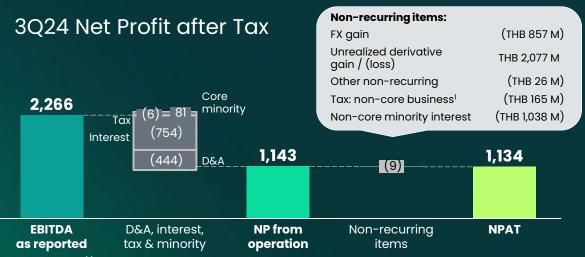


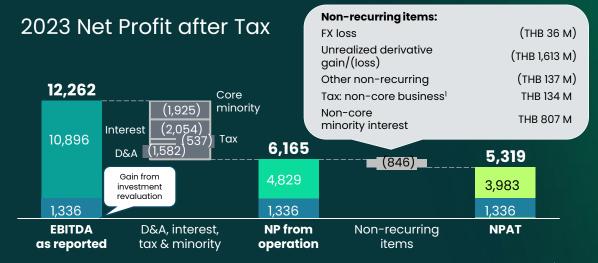
Financial performance: Consolidated NPAT – 4Q24 & FY24

Unit: THB M









Note: (1) Income + deferred tax

Financial performance:

Consolidated financial position – FY24

Unit: THB M

2024 Consolidated Financial Position

31 December 2024

In 2024, total assets were THB 97,683 M, a decrease of THB 1,220 M from 2023. The net D/E ratio increased from 0.44 to 0.49 contributed by higher debt.



Gearing Ratios

Net debt (Net Cash) / Equity¹ (x)

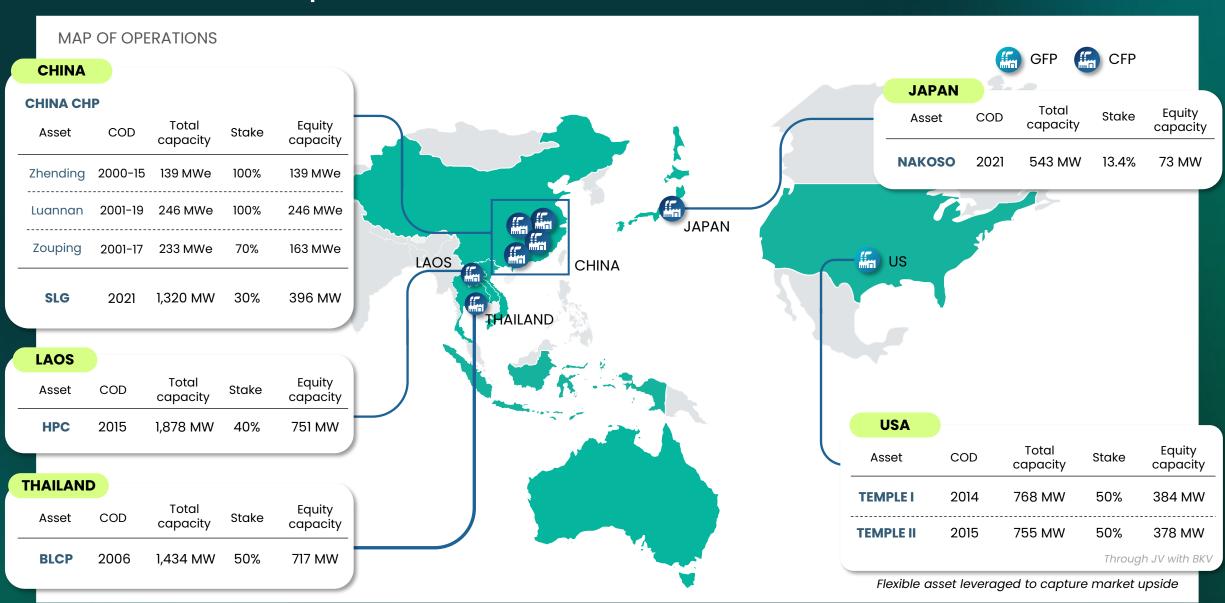


Note: (1) Net debt to book value of shareholders' equity





Thermal asset: portfolio overview



China CHPs: operational performance.

Asset Information:

In 2006, Banpu Power Investment Co., Ltd. (BPIC) invested into 3 combined heat and power plants in China with total of 548 equity MWe at present.

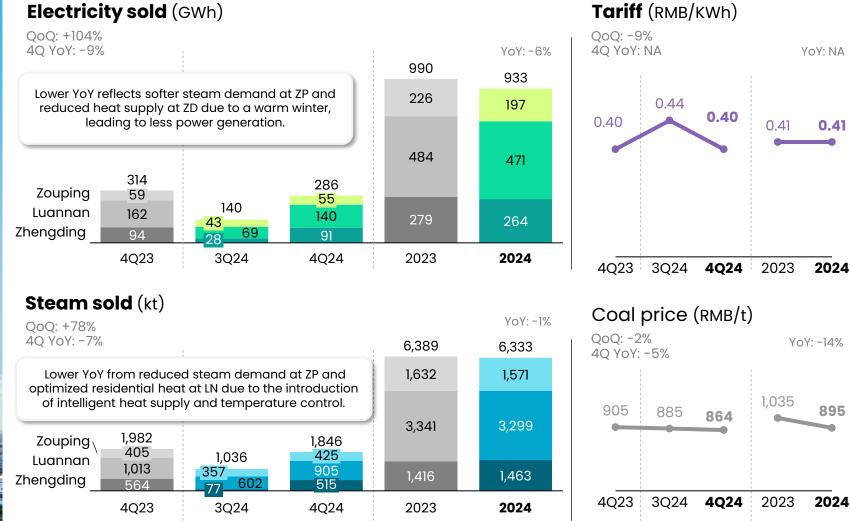
Banpu Power Shareholding

- Luannan: BPIC 100%
- Zhengding: BPIC 100%
- Zouping: BPIC 70%; Xiwang Group 30%

Quarter update:

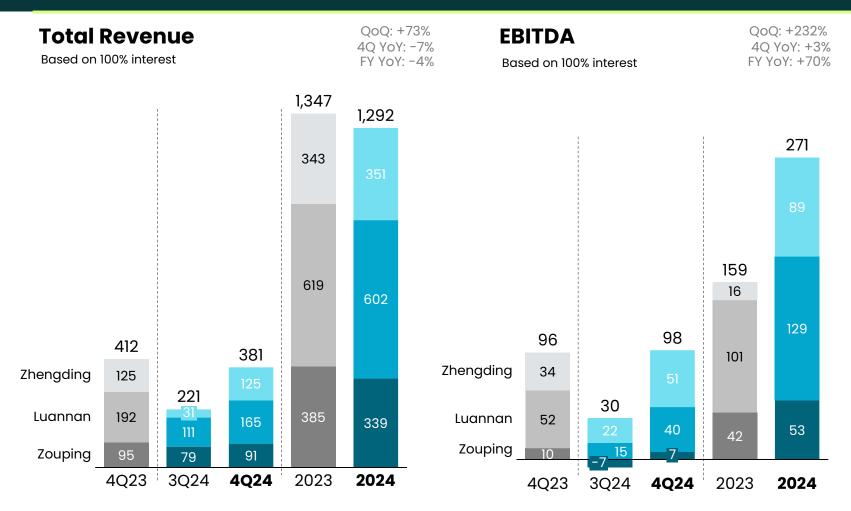
All plants operated normally with no disruptions. LN CHP completed coal yard expansion in September, totaling 200,000 tons in capacity.





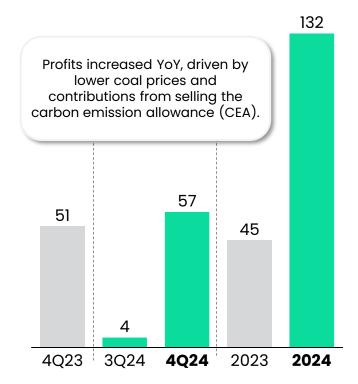
China CHPs: consolidated financial performance.

Unit: RMB M



Profit Contribution to BPP

Based on Banpu Power's 100% interest for Luannan and Zhengding, and 70% for Zouping QoQ: +1257% 4Q YoY: +12% FY YoY: +194%



SLG: operational & financial performance.

Asset Information:

Commissioned in 2021, SLG is a high efficiency coal-fired power plant that utilizes best of class technology to significantly lower emissions.

Banpu Power Shareholding

• BPIC (30%), Gemeng Intl Energy (35%), Anhui Province Wenergy (35%)

Quarter update: Unit #1 and Unit #2 underwent reserve shutdowns for 9 and 27 days, respectively, in Q4 due to lower power demand. Industrial steam supply continued, and residential heat supply began on Nov 1, 2024.



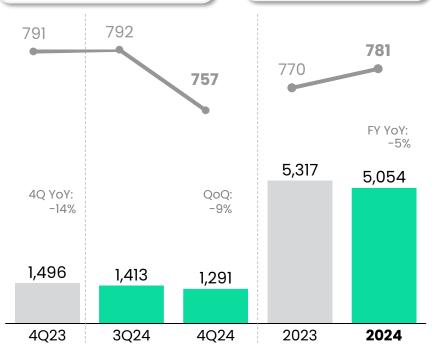
OPERATIONAL PERFORMANCE

Electricity generation (GWh)

Higher prices in 2024 as a portion of coal was sourced from the market to cover the supply gap from quaranteed sources.

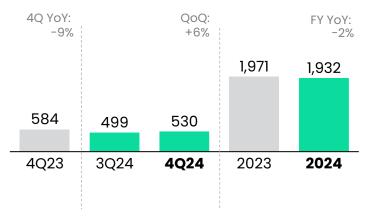
Coal price (RMB/t)

Lower power sales from reduced demand and addition of new capacity.



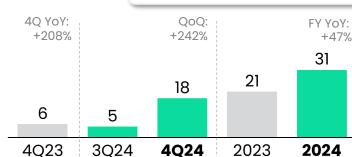
FINANCIAL PERFORMANCE

Total Revenue (RMB M)



Profit Contribution to BPP (RMB M)

Higher profit driven by CEA trading and reduced financial expenses. 4Q YoY: QoQ: FY YoY: +208% +242% +47% 18 6 5





HPC: operational performance.

Asset Information:

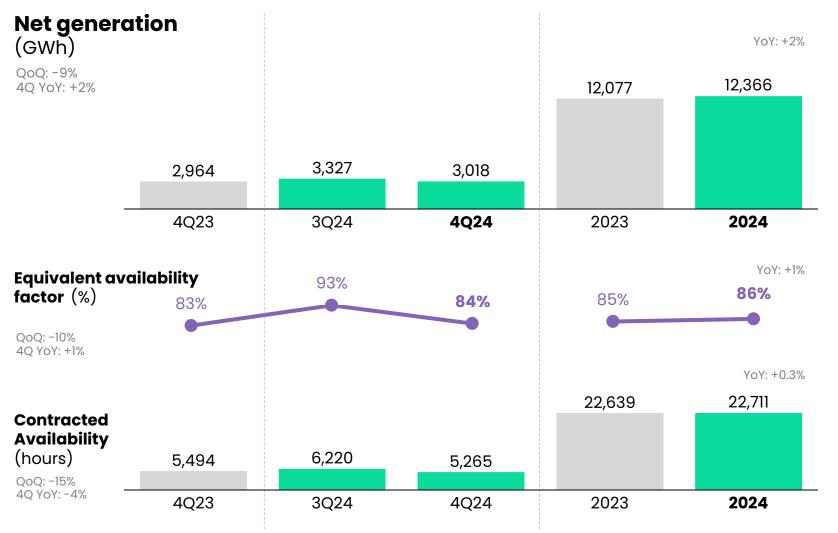
HPC is a lignite mine mouth power plant that commissioned between 2015 and 2016, making it Lao's largest power generating asset in terms of capacity.

Banpu Power Shareholding

 BPP (40%), RATCH (40%), Lao Holding State Enterprise (20%)

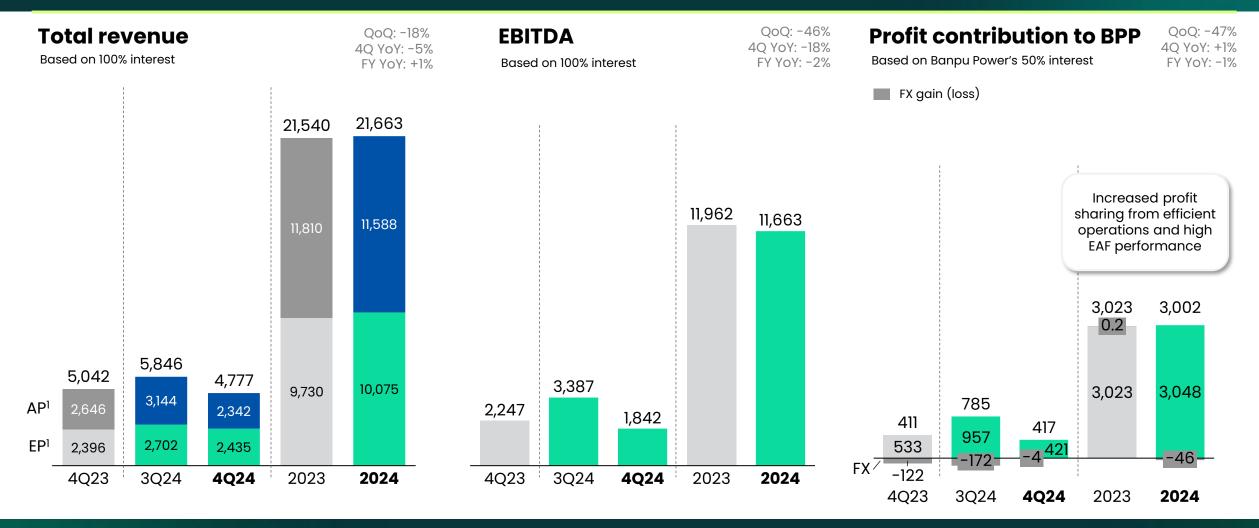
Quarter update: Performed annual maintenance on Unit #2 (3-24 Nov 2024) and Unit #1 (21 Dec 2024 - 10 Jan 2025), achieving CAH on 23 Dec and operating during OCAH through year-end.





HPC: financial performance.

Unit: THB M



BLCP: operational performance.

Asset Information:

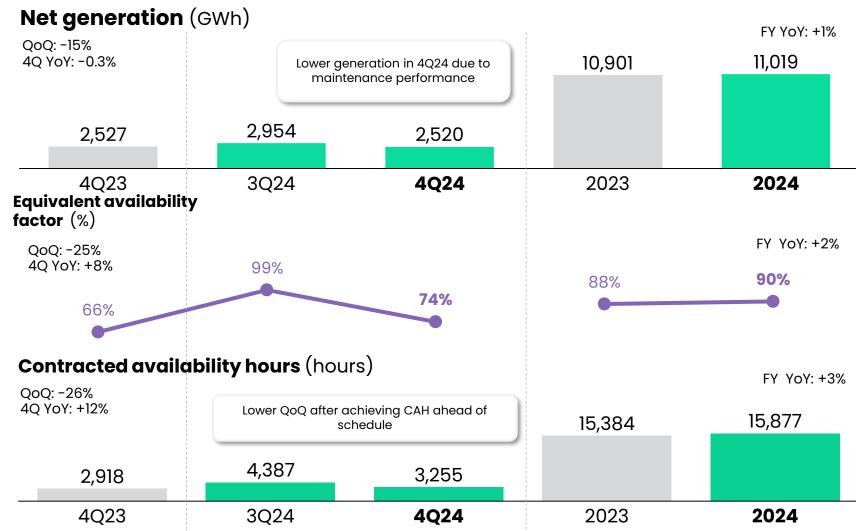
BLCP is a coal-fired power plant located in Map Ta Phut Industrial estate, Rayong with Unit 1 and 2 COD in 2006 and 2007, respectively.

Banpu Power Shareholding

Banpu Coal Power (50%), EGCO (50%)

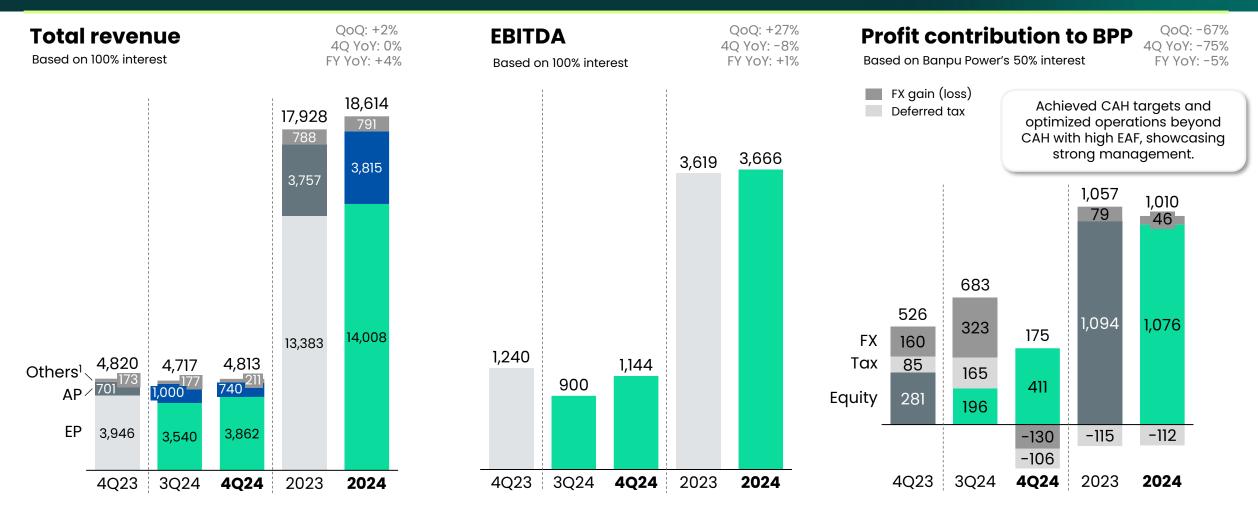
Quarter update: Operating smoothly as planned.





BLCP: financial performance.

Unit: THB M



Temple I & II: operational performance.

Asset Information:

Temple I & II are combined cycle gasfired power plants supplying base load power to the ERCOT market

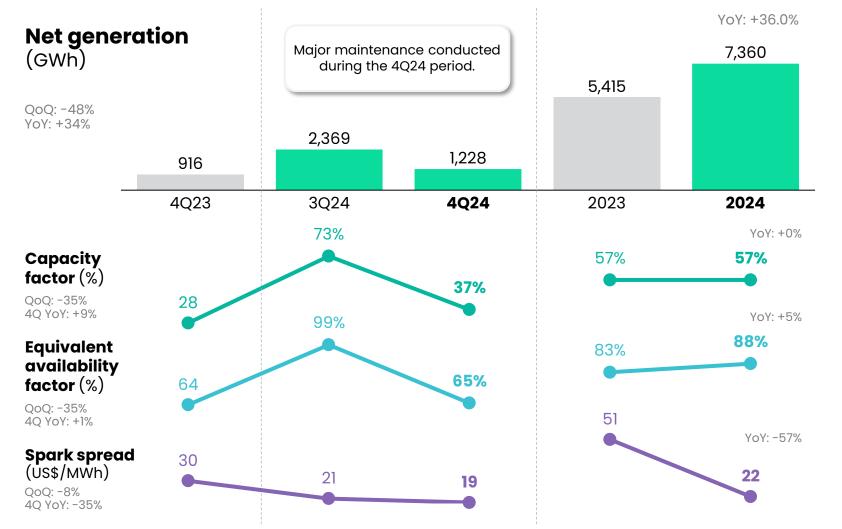
Banpu Power Shareholding

Banpu Power US (50%), BKV (50%)

Quarter update:

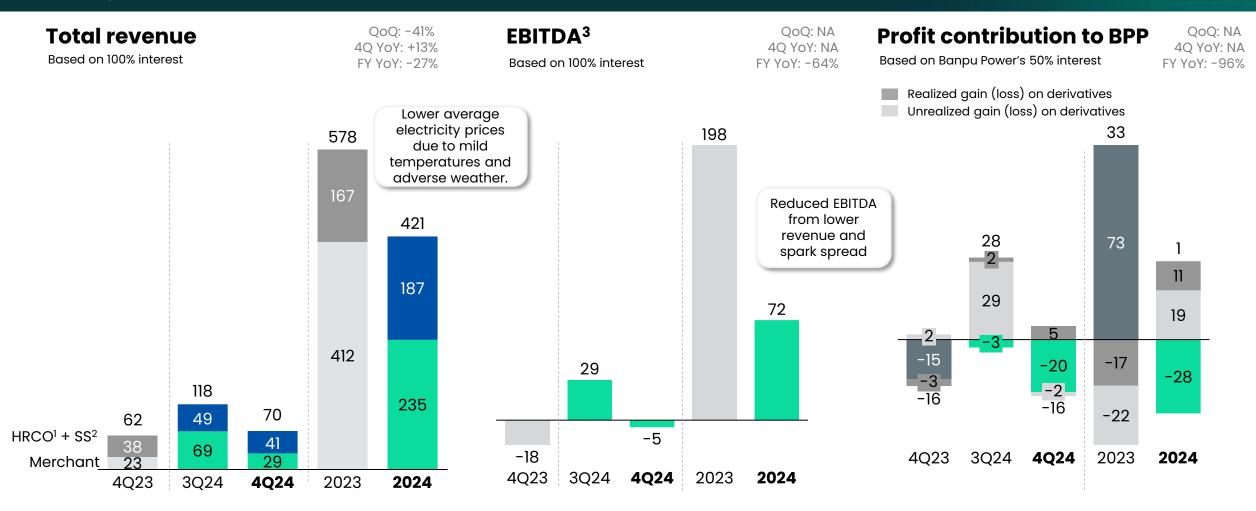
- Conducted fall outage as planned.
- Improvement in 4Q24 compared to same period last year





Temple I & II: financial performance.

Unit: US\$M



Note

- (1) Heat Rate Call Option (HRCO) is a derivative used to secure monthly fixed revenue to ensure stable cash flow streams for both low and peak season.
- (2) Spark Spread Hedge (SS) is a derivative used to manage the spread between the market prices of electricity and the cost of natural gas, that help generators lock in a profitable margin (the "spark spread") by protecting against adverse movements in electricity and natural gas prices.
- (3) EBITDA includes realized gain / (loss) from derivative but excluded unrealized gain / (loss) from derivative.

Nakoso: operational & financial performance.

Asset Information:

Nakoso IGCC is an integrated gasification combined cycle power plant that generates power at higher efficiencies with lower emissions and fuel consumption.

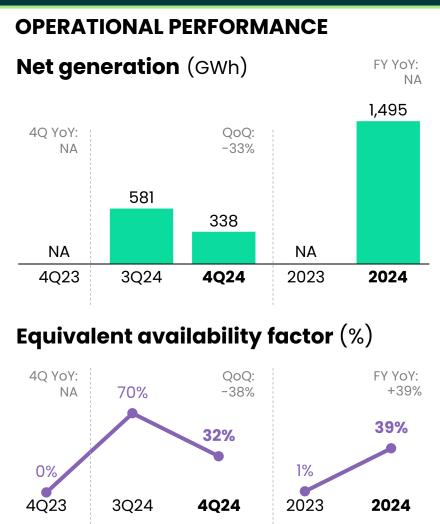
Banpu Power Shareholding

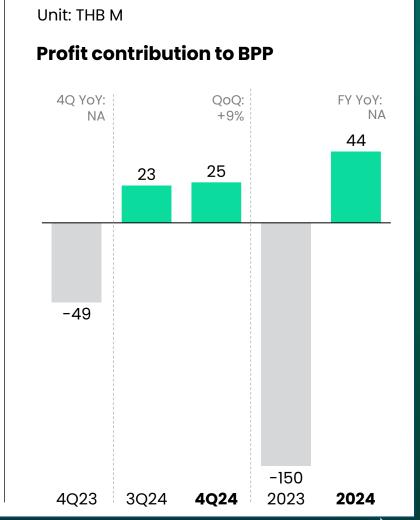
- NIMCO (40%), Mitsubishi Corporation Power (66.5%)
- BPIC through NIMCO1: (13.4%)

Quarter update: The divestment of Nakoso in December strategically supports BPP's ongoing portfolio optimization.

Total Equity Capacity







FINANCIAL PERFORMANCE



PORTFOLIO OVERVIEW

Renewables & Energy Technology: 2024 Portfolio

Integrated
Clean Energy
Ecosystem
2030 target



RENEWABLES



322 MW

Committed capacity

BATTERY ENERGY STORAGE SYSTEM (BESS)



266 MWh

Committed capacity

ENERGY TRADING



2,816 GWh

Electricity sales

ENERGY MGMT SERVICES

NEW BUSINESS & INVEST.

SOLAR: ROOFTOP & FLOATING



272 MW

Committed capacity

ENERGY EFFICIENCY



37 projects

Energy management, Smart infra, Total solution services, etc.

BATTERY MANUFACTURING



3.0 **GWh**

Production capacity

E-MOBILITY



1,198 MWh

Electricity sales (MuvMi battery & charger + fleet charger)



876 Units

EVs (Battery + 2-Wheeler)

Renewable Power & BESS: 2024 updates



China Solar

Lower power sold due to grid curtailment and lower irradiation.

Power sold 214 GWh (-7% YoY)

Profit contribution **RMB 43 M**

(-13% YoY)



Vietnam Solar

Nhon Hai Solar maintained a stable capacity factor and power sales.

Power sold **54 GWh** (+6% YoY)

Share of profit US\$ 1.3 M (+86% YoY)



Iwate Tono BESS

Construction is 99% complete, pending grid connection

Committed **58 MWh**

capacity

2025 Expected COD



Australia Solar

Lower power sold due to curtailment and unfavorable weather conditions.

Power sold 197 GWh (-12% YoY)

(A\$ 1.0 M) Share of loss (1)



Vietnam Wind El Wind Mui Dinh

Power sold **85 GWh** (-13% YoY)

(US\$ 1.9 M) Share of loss



Vietnam Wind Vin Chau project

- Completed construction and commissioning activities
- In the process of COD documentation with the relevant authorities



Tsuno BESS

Utility scale BESS project with subsidy approval.

Committed 104 MWh capacity

2Q28 Expected COD



Japan Solar

Lower power sold due to unfavorable weather conditions.

Power sold 214 GWh (-4% YoY)

Cash distribution **JPY 1.4 bn**

(-22% YoY)



Aizu BESS

Utility scale BESS project with subsidy approval.

Committed 104 MWh capacity

1028 **Expected COD**

PORTFOLIO OVERVIEW

Energy technology:

4Q24 energy trading and energy storage updates.



IMPLEMENTED A MARKET-DRIVEN MARKETING & SALES STRATEGY, SECURING SUPPLY DEALS VIA TENDERS AND OPTIMIZING ARBITRAGE IN HIGHLY LIQUID PHYSICAL AND FINANCIAL MARKETS.

2,816 GWh

1,696 clients

9 utility areas

2024 total sales

Increasing from 1,445 clients in 3Q24

From both private and public sectors

45% of total sales are market-linked price products, while the remaining sales are fixed-price contracts secured through tendering and hedged to minimize potential risks.

Iwate Tono Project.BESS



IWATE TONO PROJECT (UTILITY-SCALE BATTERY STORAGE)

58 MWh

2Q25

99%

Capacity

Expected COD

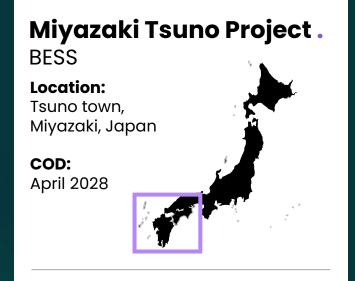
Construction progress

Project updates:

Construction is 99% complete, pending grid connection by Tohoku EPCO in May 2025,

with the remaining 1% to be completed alongside Tohoku's work.

Energy technology: 4Q24 energy storage updates.



MIYAZAKI TSUNO BESS PROJECT (UTILITY-SCALE BATTERY STORAGE)

Invested through a JV between Banpu Japan (70%), FUYO General Leasing (29%), and Global Engineering (1%)

26 MW / 104 MWh

Battery energy storage capacity connected to Kyushu EPCO

JPY 2,665 M

Investment or equivalent to 70% of the project cost after deducting METI subsidy of JPY 2,072 M



Fukushima Aizu Project.

BESS

Location:
Aizuwakamatsu,
Fukushima, Japan

COD:
January 2028

Banpu Japan holds 99.8% and Yamamoto Shouji 0.2% (Local landowner) utilizing the METI 2024 Subsidy program (Granted Dec. 2024)

FUKUSHIMA AIZU BESS PROJECT (UTILITY-SCALE BATTERY STORAGE)

26 MW / 104 MWh

Energy storage capacity connected to Tohoku EPCO

JPY 3,621 M

Investment or equivalent to c.65% of project cost after deducting METI subsidy of JPY 1,953 M







ESG recognition





Prepared by SET, shortlists Thai companies with business and sustainability excellence

for SET-listed companies with market cap. between THB 30-100 bn

Commended Sustainability Award

For outstanding sustainability practices, inclusive corporate governance, and dedication to minimizing negative impacts, while creating positive ones for society and the environment

Outstanding Company Performance Award

For outstanding performance, good corporate governance and adherence to regulations of the SET

Outstanding CEO Award

Presented to CEOs with moral values, visionary leadership, and a commitment to prioritizing sustainability practices





SET awarded for strong ESG disclosures, including environmental management practices and interactions with key stakeholders







5 coins

for the CGR Checklist 2023 from the Thai Institute of Directors Association (IOD) and the AGM Checklist 2023 from the Thai Investors Association (TIA), respectively



5th

consecutive year

The THSI, prepared by SET, shortlists
Thai companies following the
highest ESG standards

Credit rating



As a strategic partner of S&P Global, Tris Rating has over 20years of experience as a leading credit rating agency in Thailand



ratings with a 'stable' outlook on the company, reflecting the company's stable cash flow, proven track record of strong operations and quality of power portfolio



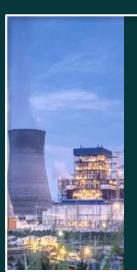








Thermal Power: 2024 updates



HPC

Achieved contracted availability hours (CAH) and additional outside CAH through efficient operations and strong EAF performance, resulting in higher profit sharing.

86% EAF¹ (+1% YoY)

THB 21.7 bn Revenue

THB 11.7 bn EBITDA

THB 3.0 bn share of profit (-1% YoY)



BLCP

Achieved CAH targets and optimized operations beyond CAH with high EAF, showcasing excellent operational management.

90% EAF (+2% YoY)

THB 18.6 bn Revenue

THB 3.7 bn EBITDA

THB 1.0 bn share of profit (-5% YoY)



SLG

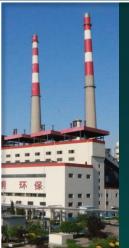
Net profit increased, driven by CEA contributions and lower financial expenses, offsetting the impact of reduced power sales from softer demand and the addition of new energy capacity.

5,054 GWh

net power sold (-5% YoY)

RMB 31 M

share of profit (+47% YoY)



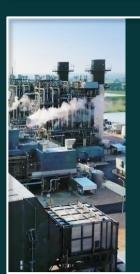
China CHP

Profits increased, driven by lower coal prices and CEA contributions, offsetting the impact of reduced electricity sales from weaker demand, particularly at Zouping.

RMB 1.3 bn Revenue

RMB 271 M EBITDA

RMB 132 M share of profit (+194% YoY)



Temple I & II

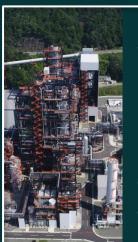
Despite higher EAF and power sales, Temple I & II saw lower net profits due to weaker power prices and spark spreads from mild weather

88% EAF (+5% YoY)

7,360 GWh net generation

US\$ 421 M Revenue

us\$1M share of profit² (-96% YoY)



Nakoso IGCC

The divestment of Nakoso in December strategically supports BPP's ongoing portfolio optimization.

39% EAF

1,495 GWh net generation

THB 44 M share of profit

Note: : (1) Equivalent Availability Factor (EAF) is a percentage of a given operating period in which a generating unit is available without any planned and unplanned shutdown or deratings (2) Includes US\$ 29 M of gain on derivatives

Maintenance schedule for 2025

■ Major maintenance
■ Minor maintenance

POWER PLANT	1Q25	2Q25	3Q25	4Q25
BLCP			U2	
 Unit 1 on major inspection for 34 days (24 Dec 2024 – 3 Feb 2025) 	40 days (34 days in 2025)		15 days	
 Unit 2 on minor inspection for 15 days (15-27 Jul 2025) 	(04 days 111 2023)			
HPC	U1 U3			U2
 Unit 1 on yearly maintenance for 22 days (21 Dec 2024 – 10 Jan 2025) 	22 days 22 (10 days in 2025) days			70 days
 Unit 2 on extended major inspection for 70 days (23 Oct – 31 Dec 2025) 	(1- 3-1/- 11-1-1/- /			
 Unit 3 on yearly maintenance for 22 days (09 Feb 2024 – 02 Mar 2025) 				
TEMPLE I CCGT				_
 Major inspection for 38 days (22 Feb – 31 Mar 2025) 	38 days			11 days
Fall outage for 11 days (6-16 Nov 2024)				
TEMPLE II CCGT		_		
 Spring outage for 11 days (4-14 Apr 2025) 		11 days		11 days
Fall outage for 11 days (15-25 Oct 2025)				

Maintenance schedule for 2025

■ Major maintenance ■ Minor maintenance

POWER PLANT

SLG

- Unit 1 on c-class maintenance for 26 days in 3Q-4Q
- Unit 2 on B-class maintenance for 40 days in 2Q

CHP LUANNAN

- Unit 3 on C-Class maintenance 20 days in 1Q
- Unit 2 on C-Class maintenance 20 days in 2Q
- Unit 1 on C-Class maintenance 20 days in 3Q-4Q
- Unit 4 on C-Class maintenance 16 days in 4Q

CHP ZHENDING

- Unit 1 on A-Class maintenance 30 days in 2Q, D-class maintenance 9 days in 3Q
- Unit 2 on D-class maintenance 8 days in 2Q, D-class maintenance 9 days in 3Q
- Unit 3 on D-class maintenance 10 days in 1Q-2Q, D-class maintenance 10 days in 4Q
- Unit 4 on D-class maintenance 10 days in 2Q

CHP ZOUPING

- Unit 4 on C-class maintenance for 30 days in 1Q, D-class maintenance for 10 days in 3Q
- Unit 3 on A-Class maintenance for 30 days in 2Q
- Unit 5 on D-Class maintenance for 10 days in 2Q
- Unit 2 on C-class maintenance for 14 days in 4Q



Banpu Power: income statement

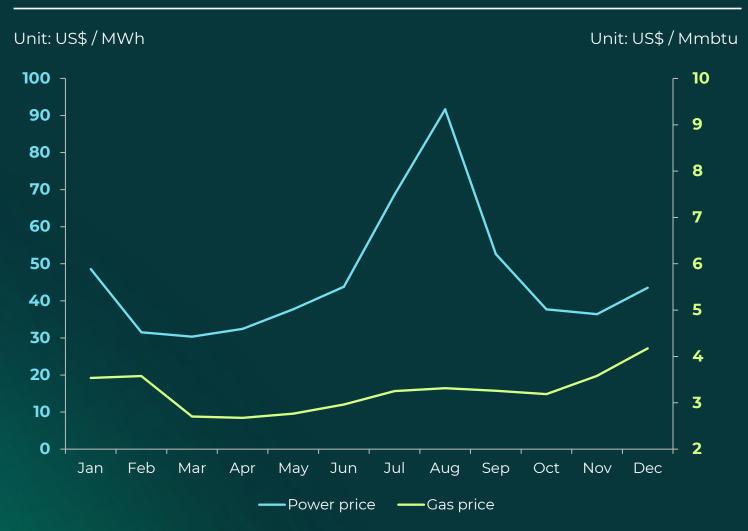
THB million	2024	2023	YoY%
Sales revenue	25,827.0	28,379.6	-9%
Cost of sales	(23,811.4)	(20,121.7)	
Gross Profit	2,015.5	8,257.9	-76%
GPM	8%	29%	
Administrative and selling expenses	(1,874.8)	(2,192.0)	
Equity income	3,865.6	5,009.3	
Other income	830.6	783.1	
Realized gains (loss) on Derivatives	738.6	(1,178.2)	
EBIT	5,575.5	10,680.1	-48%
Interest expenses	(2,982.8)	(2,047.5)	
Financial expenses	(36.5)	(6.1)	
Income tax & deferred tax (core business)	(35.6)	(536.6)	
NCI / Minorities (core business)	688.5	(1,925.2)	
Net profit – Core business	3,209.1	6,164.7	-48%
Non-recurring items	(1,724.4)	(136.7)	
ncome tax & deferred tax (non-core business)	(296.2)	134.1	
NCI / Minorities (non-core business)	(653.1)	806.6	
Gain (Loss) on Derivatives transactions	1,306.2	(1,613.3)	
FX translation	(95.3)	(36.3)	
Net Profit	1,746.3	5,319.2	-67%

Banpu Power: income statement

THB million	4Q24	3Q24	4Q23	QoQ%	YoY%
Sales revenue	5,178.3	6,881.6	4,611.0	-25%	+12%
Cost of sales	(5,424.7)	(6,263.0)	(4,845.9)		
Gross Profit	(246.4)	618.6	(234.9)	-140%	NA
GPM	(5%)	9%	(5%)		
Administrative and selling expenses	(483.5)	(470.1)	(654.1)		
Equity income	682.7	1,412.3	762.9		
Other income	343.5	145.5	314.3		
Realized gains (loss) on Derivatives	347.8	115.9	518.4		
EBIT	644.1	1,822.1	706.5	-65%	-9%
Interest expenses	(709.0)	(747.4)	(745.8)		
Financial expenses	(6.7)	(7.0)	(1.8)		
Income tax & deferred tax (core business)	143.9	(5.8)	159.0		
NCI / Minorities (core business)	462.0	81.4	503.6		
Net profit – Core business	534.3	1,143.3	621.5	-53%	-14%
Non-recurring items	(1,682.5)	(25.8)	(119.5)		
Income tax & deferred tax (non-core business)	(131.8)	(165.3)	(70.0)		
NCI / Minorities (non-core business)	49.9	(1,038.3)	274.5		
Unrealized gain (loss) on Derivatives	(99.8)	2,076.6	(549.0)		
FX translation	283.3	(856.6)	(388.9)		
Net Profit	(1,046.6)	1,134.0	(231.4)	-192%	NA

US power outlook: potential upside from weather volatility

Forecasted power and gas prices (2025)



Key takeaways





Forward power prices could experience sudden spikes due to abrupt transitions from El Niño to La Niña weather patterns, driving volatility in both summer and winter months.

Thermal: Committed to sustainable and operational excellency

Temple

Equipment Protection and Risk Mitigation



Combustion
Turbine Lube Oil
Fire Protection



3rd Air Compressor Reliability Improvement



Cooling Tower Motor Shield Protector

CHINA

CHP

10% Biomass Co-firing Implementation

TARGET

10% Biomass Co-firing

NEXT STEPS

- Successfully implemented 10% co-firing at Zhengding
- Implement at Luannan and Zouping with 10% biomass co-firing potential
- Potentially increase to 50% biomass co-firing of current coal consumption in the long-term

BLCP

Efficient Energy
Conservation Program

TARGET BY 2032 **c. THB 1.8 bn**Total cost savings

Bio-Carbon Capture by Algae Project

TARGET

2.5 Mt per year GHG reduction

HPC

Operational Safety and Excellence



Advanced Leakage Monitoring and Alerting Software Integration



Cooling tower improvement and upgrades



Conveyor break technology to improve energy efficiency



Renewables+: accelerated progress

RENEWABLES

INVESTMENT IN AMP JAPAN PLATFORM

Develops, acquires, constructs and operates renewable assets in Japan



Energy Transition infra platform:



Solar



Wind

> 1 GW

BESS

Committed Capacity

FIRST RENEWABLE ASSET IN THE US

2Q24

Solar farm through BKV-BPP JV in Texas that will generate Solar Renewable Energy Certificate (SRECs) for Scope 2 offsets

2.5 MW

Installed Capacity

COD: AUG 2024

Solar

6.4 GWh

Generation

BESS & ENERGY TRADING

INVESTMENT IN BESS PROJECTS IN JAPAN

4Q24

Banpu Japan invested into two BESS projects which were awarded in the METI subsidy program. This marks a big step forwards towards Banpu's BESS ambitions.

AIZU BESS PROJECT:

Location: Aizuwakamatsu, Fukushima

Ownership: 100% Banpu Japan (BJP)

Development start: April 2025

COD: 1Q28

104 MWh

Capacity

TSUNO BESS PROJECT:

Location: Tsuno town, Miyazaki

Ownership: 70% BJP, 29% FUYO, 1% Global Engineering

Development start: April 2025

COD: 2Q28

104 MWh

Capacity

RAMPING UP ENERGY TRADING

Growing competency in Japan with a record performance in 2024.

2.8 GWh

Electricity traded

Expanding capabilities to the US through Congestion Revenue Rights (CRR) trading to gain exposure to ERCOT market dynamics with first trade in 4Q24.

Banpu Power: Sustainable Development Goals

CLIMATE ACTION

GHG emissions intensity < 0.676 ton CO2e/MWh</p>

(i) Renewable energy generation capacity > 800 MWe

information according to TCFD

Establish business continuity management system and conduct drill at all operating assets 100% coverage of critical business function conduct business continuity plan drill

RESPONSIBLE CONSUMPTION AND PRODUCTION

Water consumption intensity Target: < 0.868 m³/MWh (Current: 0.958 m³/MWh)

Energy consumption intensity Target: < 1.55 GJ/MWh (Current: 2.3 GJ/MWh)</p>

🚺 100% re-used/recycled of fly ash and bottom ash

All operational control assets assessed for potential biodiversity impact

INDUSTRY, INNOVATION AND INFRASTRUCTURE

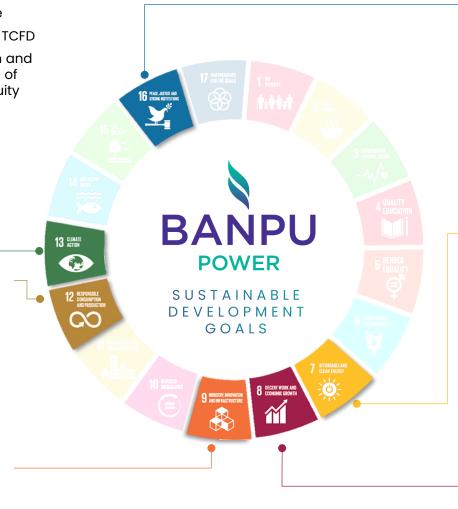
O Ultra-low emissions intensity

🙆 No significant environmental and social incident

No significant ESG complaint from communities

All combined heat and power plant in China was certified ISO 14001.

Cybersecurity and privacy maturity score > 2.5



PEACE JUSTICE AND STRONG INSTITUTIONS

Achieve zero incidents involving non-compliance, corporate governance and corruption

100% of significant corporate governance complaints resolved through a dispute mechanism

Be a member of the Thai Private Sector Collective Action Against Corruption (CAC)

AFFORDABLE AND CLEAN ENERGY

Power gen. capacity
Target: 5,300 MW | Current: 3,534 MWe

Availability Factor (AF) > 90%

🥏 Forced Outage Factor (FOF) < 5%

Key ESG issues are part of senior management's KPI

DECENT WORK AND ECONOMIC GROWTH

No major incident and occupational illness in employees and contractors

Employee Engagement score:[TH] Target: >70% (Current: 57%)[CH] Target: >85% (Current: 91%)

Banpu Heart Score: > 70% in TH and >90% in CH

No significant human rights complaints

No complaint about customer privacy and product use

Achieved

Goal / Target

BPP

Resources.

Stay updated on our latest developments and strategic initiatives by visiting BPP's website.

For inquiries and discussions, please contact BPP's investor relations team at investor_relations@banpupower.co.th

BPP investor quick links

- **3Q24** investor presentation
- <u>Annual reports</u>
- **2024** investor presentation
- <u>Financial reports</u>
- 1Q24 investor presentation
- Sustainability reports
- 4Q23 investor presentation
- <u>Factsheets</u>

2025 analyst meeting schedule

1Q25

May 2025

2Q25

August 2025

3Q25

November 2025

4Q25

February 2026

BPP communications











