

BPP Sustainability 2023

12th September 2023



AGENDA

BPP Introduction

Continuing pursue Greener & Smarter strategy

2 Managing economic aspects that affect competitiveness and long-term business growth

Enhance competitiveness in dynamic power merchant market Pursue Greener & Smarter strategy for "Quality Megawatt" growth

Climate Changes Risk Management

Climate-related governance, strategy, metric& target and disclosure

Light & Learn project

Light up learning opportunities for kids in remote area

5 Q&A

Introduction

BPP Members





Kirana LimpaphayomChief Executive Officer



Teerapat Wongraveekul Chief Financial Officer



Dechapong YuwaprechaSVP – Strategy and Business
Development



Issara NiropasSVP – Power Operations



Panuwat Pitakteeratham

VP – Asset and Engineering

Management



Thassanee PassaraparkManager - Company Secretary



Nittaya Chatsirisakul Manager – Corporate Services



Sanruetai Anuvongnukroh Manager – Investor Relations



Anuttara Tonwong

Manager – HR Business

Partner



Sanicha Pinyocheep Manager – SD and Risk Management

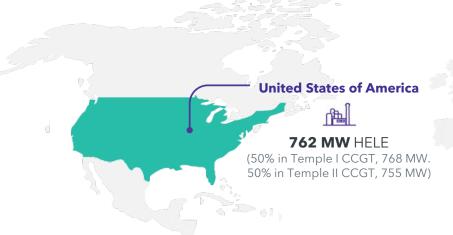
Banpu Power assets: continuous focus on Greener, Smarter growth

∄ [™] 3,693 mw

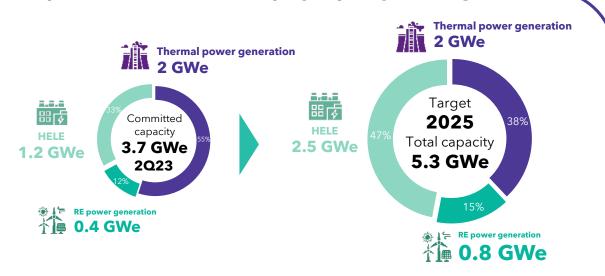


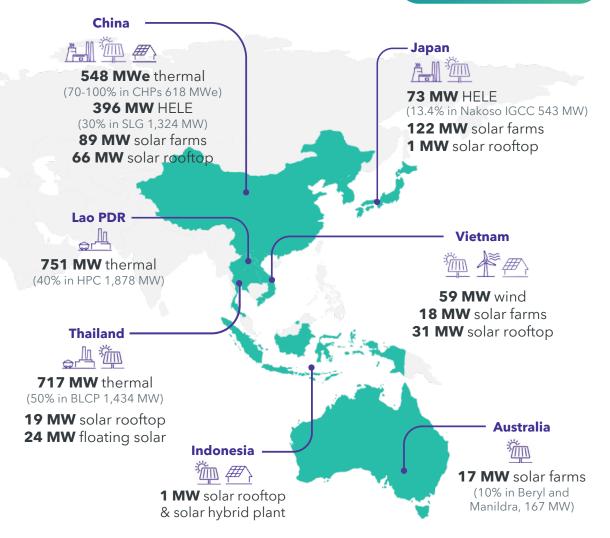


Leading power-generating company operating both thermal and renewable power in **8 countries**









BPP strategy: delivering sustainable energy

"Powering Energy Sustainability with Quality Megawatts"

by incorporating a "Triple E" approach





ECOSYSTEM

Leveraging BPP's ecosystem by

continuously developing and

expanding the thermal power and

renewable power businesses.

Achieving operational excellence through efficient operations, cost management, and an EAF to ensure

Strong and growing ecosystem within **Banpu Power and across Banpu group**

Knowledge, technology, partner and expertise sharing across 8 countries with established synergies with the Banpu group



EXCELLENCE

consistent cash flows and seize profit opportunities in growth markets.

Enhanced Temple I gas-fired power plant's stability and capacity

Implementing real-time machinery monitoring application and a 'Wet Compression System' to reduce forced outages and increase production capacity in summer



Esg

Adhering to sustainability guidelines, including ESG principles, and be a responsible corporate citizen in all operating countries.

Establishment of ESG Committee in March 2023

Overseeing the company's ESG policy targets and performance, aiming to create long-term stakeholder value, promote sustainable practices, and contribute to societal betterment



Portfolio growth by 2025



HELE & THERMAL

4,500 MW

From 2.869 MW in 1Q23



RENEWABLES

800 mw

From 442 MW in 1Q23

Merchant Power Market



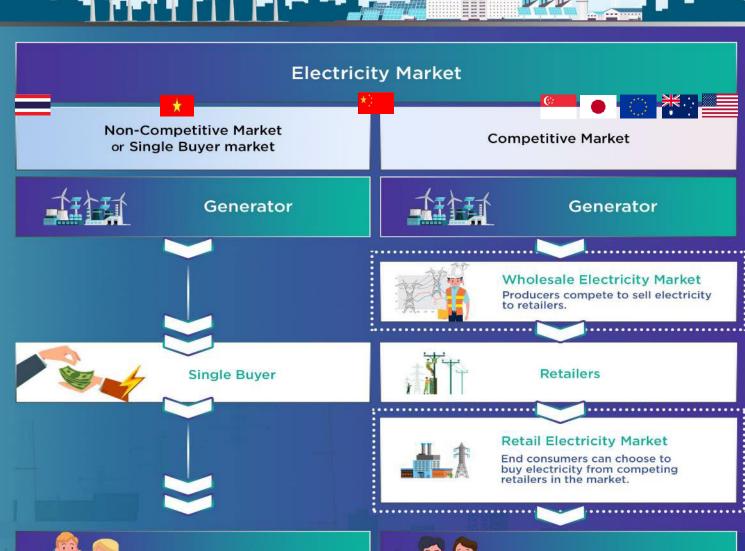












Consumer

Consumer



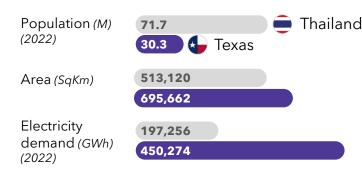
ERCOT power market dynamics

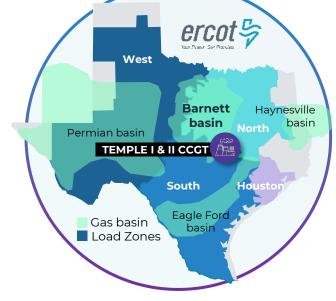
The **Electricity Reliability Council of Texas (ERCOT)** is an independent system operator (ISO) that serves

around 90% of Texas' electricity demand

Market overview

Thailand vs. Texas





Supply & demand outlook

 Large flexible loads (LFLs) such as crypto mining activities is expected to drive electricity demand as grid interconnection requests growth from 2 GW in 2022 to 27 GW by 2026

Projections show continued population growth with forecasts of up to 33% increase in the next 20 years

 Planned capacity additions of wind and solar in Texas raise concerns that heavy reliance on intermittent renewable energy will leave the grid vulnerable to disruption

• Continuous retirement of coal-fired power plants in Texas due to poor economics is expected to push for other energy sources i.e, natural gas and renewables to fill in the lost capacity to support growing demand

ERCOT Pricing Mechanisms



Gas prices & Availability
Primarily impact gas units



Transmission CapabilityGeneration output can be capped by transmission limits



Temperature driven (summer & winter peaks)



Renewable output from wind and solar with total c. 34 GW, less predictable pattern on wind output and load coinciding solar output



Outages forced/scheduled generators, increase price or may trigger operating reserve demand curve (ORDC)

Spark spread (US\$/MWh)

Spark spread = Electricity price received by generator

Cost of the natural gas needed to produce electricity

ERCOT spark spread (US\$/MWh)

Source: BloombergNEF as of Feb 14, 2023

60

50

40

30

20

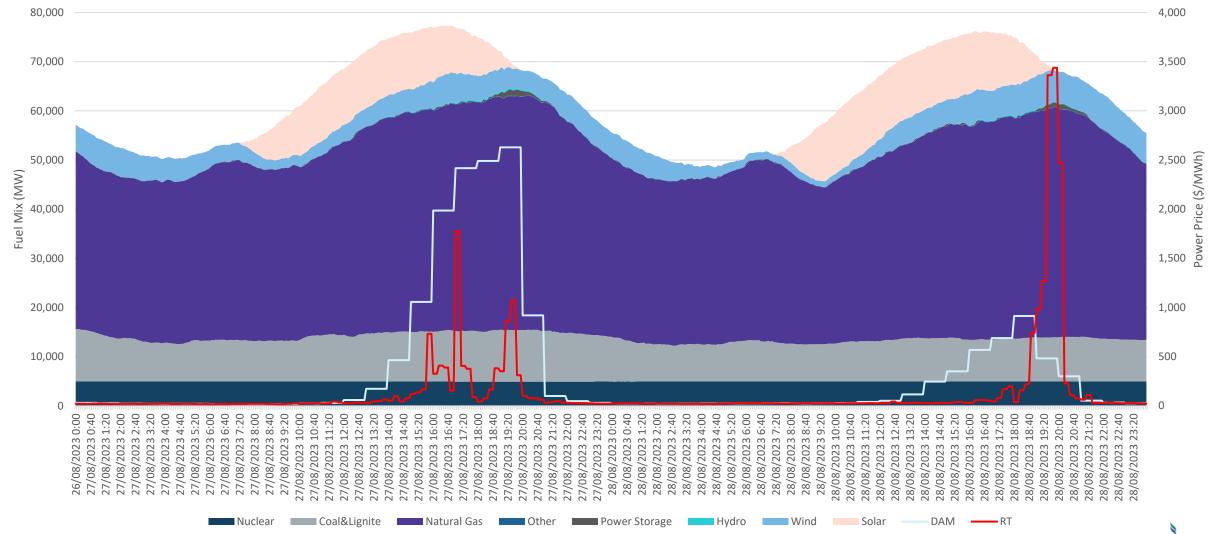
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

BANPU

ERCOT power market dynamics on daily basis

supply and demand driven by gas prices & availability, transmission Capability, temperature, renewable generation and power plant outages

Fuel Mix & Electricity Price



Challenges

Volatility during energy transformation & climate change era

- Government policy and & tightening regulations
- Highly dynamic in electricity merchant market, facing uncertainty "supply" and "demand", creating pricing risks & opportunities
- Uncertainty and extreme climate pattern
- Timing of decarbonization technology commercialization





Managing to maintain BPP competitiveness and long-term growth

Manage electricity merchant market risks & opportunities and enhance business synergy across value chain for competitiveness and generate stable cashflow + capture upside electricity price opportunities

- 2 Balancing investment portfolio for "Quality Megawatt" growth in thermal, renewable power and energy technology
 - + decarbonization technology investment



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+ decarbonization technology investment



Power Merchant Market Strategy Temple II investment: unlocking the optimal performance

Banpu Power is eager to implement these measures to ensure Temple II CCGT achieves its utmost potential and operates at optimal financial performance levels

Pursuit of Operational Excellence



Efficiency enhancement

Through well-planned maintenance and equipment upgrades e.g., installation of Wet Compression to increase capacity in summer



Data-driven maintenance

Implement data analytics and predictive maintenance techniques and monitor equipment health



Robust winterization plan

Thorough planning for a reliable and resilient operation during winter e.g., ensure availability of winterized equipment and fuel supply system

Strategic Trading Approach



Market intelligence and load forecasting

Utilize data from market intelligence and load forecasting for informed and strategized trading decisions and maximize plant's capacity factor



Trading Offer optimization

Explore various approaches incl. collaboration with operations team to optimize offer quantity and pricing based on capabilities of the power plant

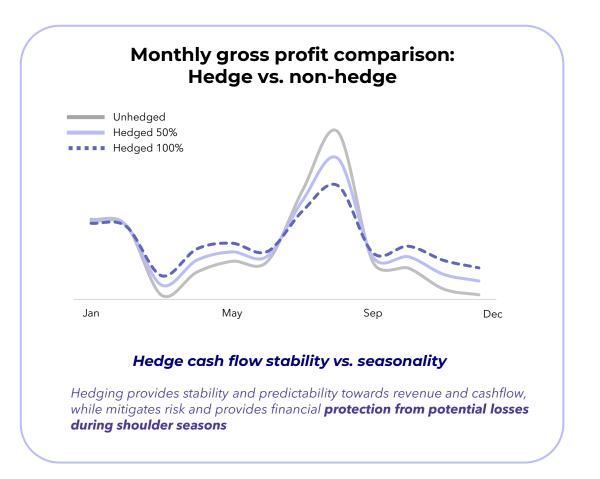
Temple II: unlocking the optimal performance (cont'd)

Banpu Power prudently assess risk, market conditions and hedging strategies to bolster stability and optimize the financial performance of Temple II

Effective Hedging and Risk Management

Effective hedging and risk management strategies to **achieve consistent cashflow** through utilization of financial instruments, such as:

Implemented by BPP	Pros	Cons
Heat rate call option (HRCO) Power generators offer the right to buy electricity and in return receives a monthly premium and power revenue (if called)	 Steady cash flow and income Higher capacity factor & reliability 	 Trade off for upside Buy back obligation during plant outage MTM quarterly, but it is a non-cash item
Spark spread hedging Hedge the difference between electricity price and fuel costs	Lock gross profitMitigate exposure to market volatility	Trade off for upsideMTM quarterly, but it is a non-cash item



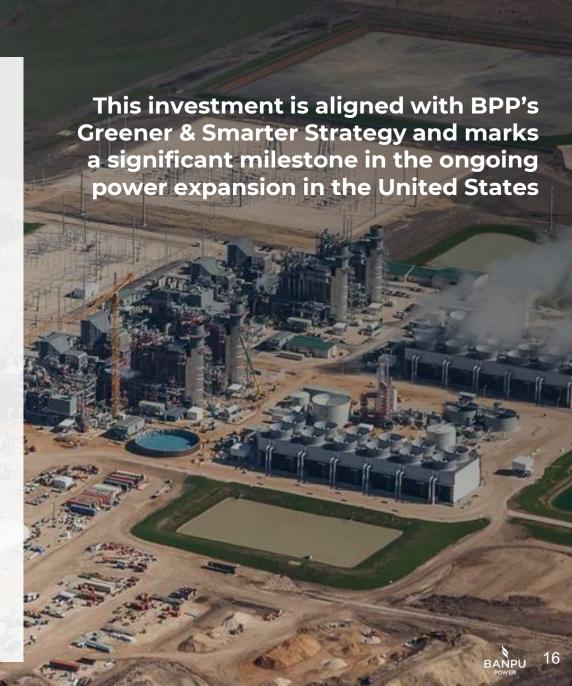
Temple II: investment highlights

Acquisition of Temple II gas-fired power plant



- Location: Bell County, Texas, US
- Capacity: 755 MW
- BPP Equity Capacity: 377.5 MW
- COD: 2015
- Total Acquisition: US\$460 M (US\$230 M for BPP equity portion)
- Deal close: 10 July, 2023
- Shareholding: BPPUS 50%





Successful invested in Temple II



Significant growth potential

Acquisition allows for significant growth potential for BPP's US power business and improved **flexibility**, **reliability**, and **efficient operations**

State-of-the-art plant technology

Well-suited to serve the changing ERCOT market and respond to market demand real time

Strategic location

Strategic proximity with Temple I allows for optimization of **resource utilization**, capturing **merchant market profits**, and achieving **economies of scale**

Risk diversification

Expansion strengthens BPP's competitive position, enables effective breakeven management, and diversifies risk along the power business value chain

Commercial agreements signed

Secures its competitive edge with **commercial agreements**, fortifying its position in the market

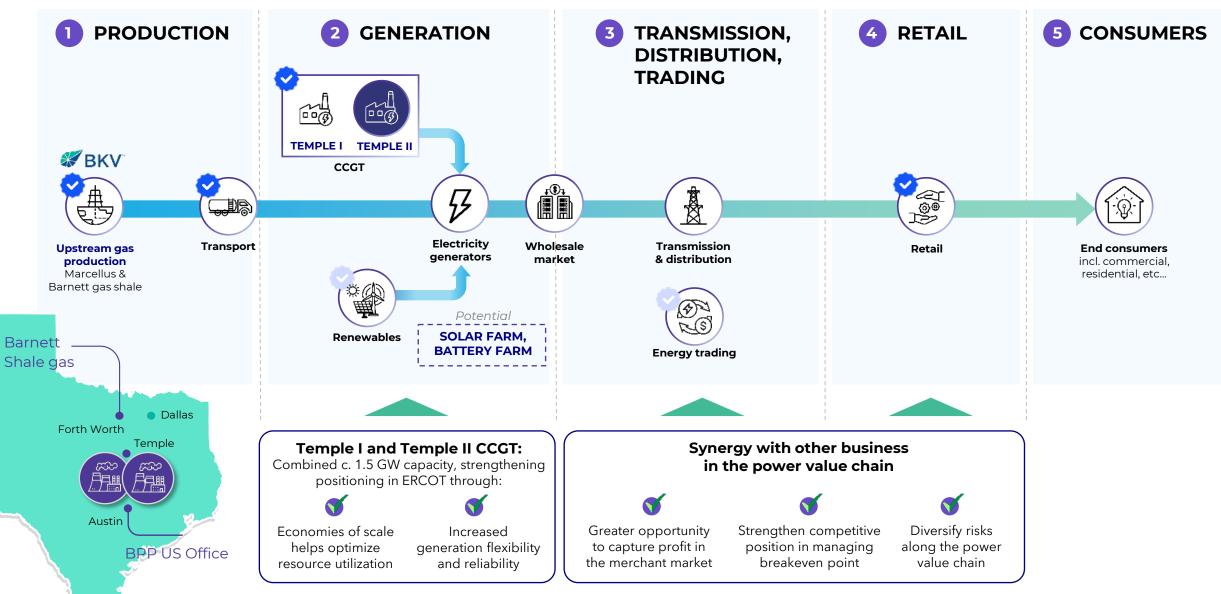
Managing to maintain BPP competitiveness and long-term growth

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 - + decarbonization technology



Enhancing our synergies across the US power value chain



Under development and study

COTTON COVE PROJECT | OVERVIEW

BKV dCarbon Ventures + BKV Midstream

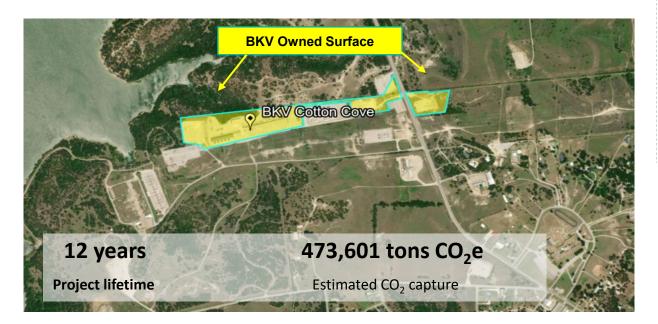
- Will separate, dispose of, and geologically sequester CO₂e generated as a byproduct of our natural gas production in the Barnett, and will utilize our midstream assets to do so.
- In October 2022, the project reached FID and we are targeting commencement of CO₂ sequestration activities by the end of 2024.

US\$14-24 M

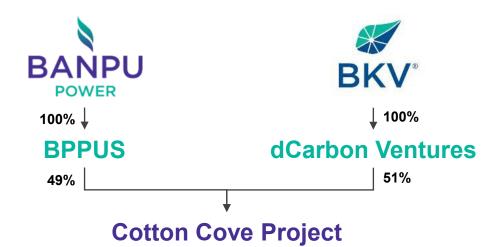
Up to 80,000 tons CO₂e

Estimated project cost

Estimated average injection rate per year



INVESTMENT STRUCTURE



- BKV Midstream Cotton Cove compressor station generates high concentration CO₂. Subsurface study shows Cotton Cove site is suitable for sequestration.
- The project will be separated development into two phases:
 - ▶ Phase I: Class II well designed for initial pre-combustion CO₂ volumes from existing amine unit. Project scope will include installing compression and drilling a Class II well at or near the facility with capacity around ~40,000 ton CO₂ per year.
 - ▶ Phase II: Post-combustion CO₂ captured off compressor engines and sold to third-party for utilization or compressed and injected into Class II well with capacity ~25,000 ton CO₂ per year.

Moving forward to decarbonization technology



Pilot Project for Ammonia co-firing at BLCP's power plant

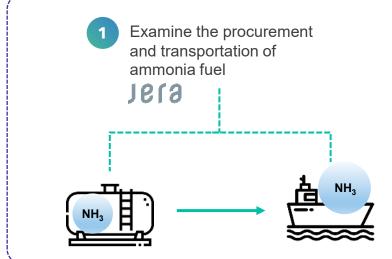
MoU signed in January 2023 at the Japan-Thailand Energy Policy Dialogue



- Support Thailand's climate ambitions to become a low-carbon society
- Achieve up to 20% ammonia co-firing

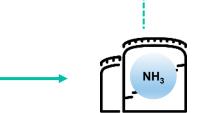


Partners for the Feasibility Study



- Explore port facilities, receiving terminals and storage facilities
 - Jera





Collaborate on R&D and strategies





4

Study the supply of ammonia burners, boiler facilities, and ammonia co-firing equipment

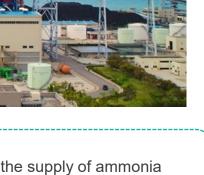
BANPU x EGO











Moving forward to decarbonization technology



Iwate Tono Battery



Investment in a Large-Scale Battery Project to contribute to Japan's carbon neutrality target, through the government's subsidy program

58 MWh

Tesla Megapack 2: 19 units Guaranteed by and maintenance with Tesla

Approx. 3,000 sqm of land With one landowner

EPC Consortium





Sinsanpei, Matsuda



Japan

Project Schedule

Design and site preparation

Completed

1st Phase construction (battery system installation)

Completed

2nd Phase construction

18 months

(extra-high voltage electric equipment and substation)

COD 2025

Benefits



Lower carbon emissions



More employment **opportunities**



Less obtrusion



Energy technology: current position and future targets

Solar: rooftop & floating

incl. 49% in Solar ESCO

2Q23

226 MW

Committed capacity



Battery & ESS solutions

Li-ion battery production capacity Durapower

1.0 GWh

Thailand battery production JV

In progress

Battery farm

Iwate Tono project

In progress



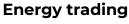
Smart cities & energy management projects

Energy management, smart infra, etc.



268 GWh

Electricity sales (in 1H23)



E-Mobility



EV

muvmi

Ridesharing

%HAUP

Carsharing



EV charging

Battery

ANIYO

swapping

2025 target

500 MW

3.0 **GWh**

1.0 **GWh**

58 MWh

60 projects

2,000 GWh

(annually)



Mobility-as-a-service

2030 target

INTEGRATED **CLEAN ENERGY ECOSYSTEM**



1H23 highlights

Key financials

THB 4.1 bn

Consol. EBITDA

Significant contribution from thermal assets especially from HPC, Temple I, and extraordinary gain from battery business

THB 3.5 bn

Strong performance supported by resilient and excellent operational results

0.25x

Net D/E

Low net D/E demonstrated strong financial position to support growth target.

Key operational performance



Renewables

Renewables performed well with increased power sold and favorable capacity factors in solar plants across countries, except for some that saw a seasonal drop



Thermal

Smooth and efficient operation supported by BPP's continued commitment to operational excellence, HPC and BLCP achieved an impressive EAF level of 93% in 1H23

Key developments



Acquisition of Temple II Power Plant

To create synergistic value through merging with Temple I power plant, and provides greater opportunities to capture profits in the merchant market and optimize resource utilization



Establishment of ESG Committee

ESG committee is established with the target to support BPP to achieve its sustainability goals, deliver long-term value to its stakeholders, and make positive impact to the society



Decarbonization efforts at BLCP

Ammonia co-firing pilot project and CCS validity assessment



Sustainable Energy expansion by Banpu NEXT

Banpu NEXT invested in Iwate Tono battery farm, and 14.2% stake in Oyika's 2-wheeler battery swapping. Durapower expands to 2 GWh production, while Banpu NEXT bolsters EV presence through increased investment in EVOLT charging to 23.81% stake.

Corporate Governance

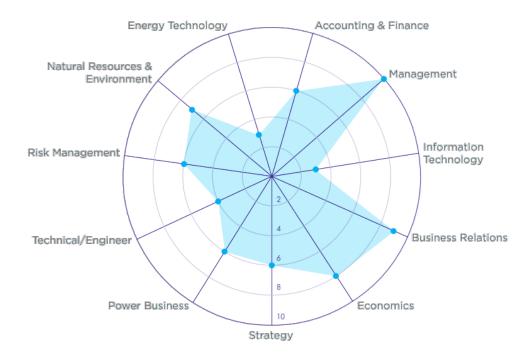






Independent directors account for **50%** of all directors.

Board Skill Matrix





Governance and Management of Subsidiaries and Associated Companies

The Chapter 9 of the Company's AOA is intended to provide <u>measures and mechanisms to govern subsidiaries and associated</u> <u>companies</u>, both directly and indirectly, together with measures to monitor the management of such subsidiaries and associated companies.

The following matters of each subsidiary or associated company shall require approval from the board of directors' meeting of the Company:

- 1. Appointment and nomination of person(s) to be director(s) and executive(s)
- 2. An increase or reduction of capital
- 3. An of approval dividend payments
- 4. An amendment to the articles of association
- 5. An approval of consolidated annual budget
- 6. An appointment of auditor of the subsidiaries
- 7. Entering into transaction with related person of the Company*
- 8. Borrowing, lending, granting credit and guarantee*
- 9. Dissolution of the subsidiary*
- 10. Any other transactions which are not in the ordinary course of business of the subsidiary and shall materially affect the subsidiary*

<u>Remark</u>: The matters from (7) to (10) are deemed material, and if executed, shall materially affect the subsidiary's financial position and performance.

Corporate Governance

CG Policies and Standards:

- Corporate Governance Policy
- Code of Conduct
- Anti-corruption Policy
- Whistleblower Policy

Internal Control

- Internal Audit
- ESG data quality assurance review
- Audit Committee- 3 dependent directors

Data Verification/ Audit by 3rd party

- Financial data audit
- ESG data assurance

Benchmarking/ Certification/ Credit rating



ASEAN Asset Class awards in 2021 ASEAN Corporate Governance Scorecard for Excellence corporate governance



Excellent Corporate Governance Scoring



Collective Action Against Corruption (CAC)

Membership Certification



A corporate credit rating of "A+" with a stable outlook





Climate Change Risk Management

STRATEGY

- Lessening GHG emissions intensity by increasing power plant efficiency through promoting innovations and using high efficiency & environmentally-friendly technologies.
- **Investing in renewable energy** in order to be a part of a low-carbon society in the future.
- Heightening an ability to adapt itself to risks associated with climate change.
- Disclosing climate change related data in accordance with "Task Force on Climate-related Financial Disclosure (TCFD)".



Governance

The organization's governance around climate-related risks and opportunities

Strategy

The actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning

Risk Management

The processes used by the organization to identify, assess, and manage climate-related risks

Metrics and Targets

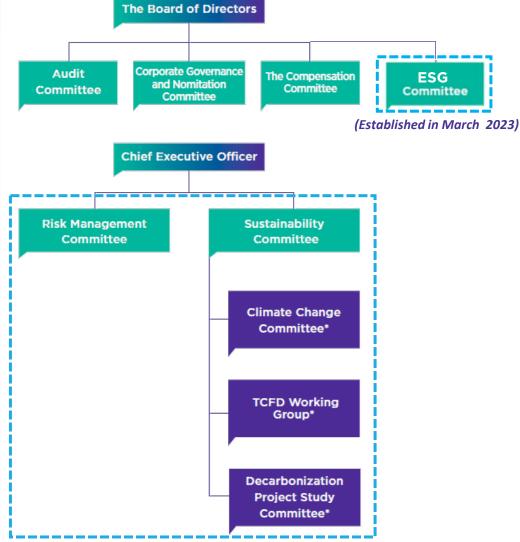
The metrics and targets used to assess and manage relevant climate-related risks and opportunities





Climate Change Governance

Working Group and Supervision	Responsibility	Frequency
The Board of Directors	Supervising and making strategic decisions for BPP's long-term growth, by taking into account the environmental, social and governance (ESG), including climate change. Overseeing the operational direction and growth in accordance with the vision and missions. Considering returns related to performances in accordance with ESG targets.	On a monthly basis.
Risk Management Committee	The Chief Executive Officer (CEO) is the chairman of the committee, while high-ranking executives are the committee members. Auditing, assessing and managing risks and opportunities, including issues related to climate change. Reporting risk management to the Audit Committee.	On a quarterly basis.
Sustainability Committee	 CEO is the chairman of the committee, while high-ranking management are members. Setting up and reviewing corporate policies and strategies, taking into account the ESG operations to be presented to the Board of Directors for approval. Communicating on policies and assigning responsibilities to involved parties to lead them to make these policies into tangible practices throughout the organization. Examining and overseeing ESG operations, including issues related to climate change to be in line with to the targets set. 	On an annual basis or more than a year as seen necessarily.
Climate Change Committee	The committee is accountable for driving holistic climate change operations and managing related risks to reduce GHG emissions. The committee is jointly working with Banpu Group.	On a quarterly basis, or more than a quarter as seen necessarily.
Task Force on Climate- Related Financial Disclosures Working Group (TCFD Working Group)	The TCFD Working Group is responsible for analyzing and assessing financial risks and opportunities, as well as disclosing information in alignment with the TCFD guidelines.	On a quarterly basis, or over a quarter as seen necessarily.
Decarbonization Project Study Committee	 Conducting a feasibility study to determine operating targets and a plan driving towards a "Net Zero". Conducting a feasibility study to jointly implement the decarbonization project with Banpu Group. 	On a quarterly basis, or over a quarter as seen necessarily.





Risks & Opportunities arising from Climate Change

-,+

1. Physical Risks

- Changes in climate patterns and seasonal fluctuations
- Severe natural disaster
- Rising sea level
- A decease of rainfall and a freshwater shortage

2. Transition Risks

- Policy and legal changes
- Demands for clean energy is increasing, while technology and infrastructure to deliver electricity in the area is still immature
- Rising prices of coal and other fossil fuels
- Restriction of water consumption and rising of water prices
- Higher insurance cost

3. Business Opportunities

Business development associated with renewable energy, energy technology, and CCUS

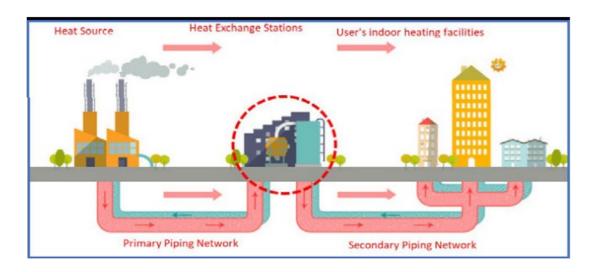
Risk Mitigation & Response

- Business Continuity Management
- Invest in water conservation technology/ zero discharge project
- Fuel cost past through mechanism in PPA
- Consider Carbon cost in project due diligence process
- Collaborate with Banpu Group to disclose climate impact align with TCFD guideline and develop Net Zero roadmap
- Invest in High efficiency low emissions power plant, renewable energy and energy technology
- Invest in CCUS, alternative energy such as hydrogen, ammonia co-firing, biomass, etc.

Energy Conservation at Zhengding Power Plant

- Improving equipment efficiency at heat exchanger stations including:
 - 1. Removing scale deposits on tube surfaces of heat exchangers
 - 2. Installing a frequency converter to make a system adjusted the amount of steam and hot water appropriately for customer's needs.
 - 3. Improving thermal insulation of hot water pipes to reduce heat loss.
- Investment about CNY 1 million, reduce steam consumption by 10%, able to pay back the investment cost within a year.
- Selected as the operator of a **solar rooftop installation**
- project in Zhengding, which targets to increase solar panels installation on the roofs of all government buildings, factories and communities totaling to 167 MW by the year 2023.

Thermal Energy Distribution Diagram



Performance	2021	2022	%Change
Total energy consumption (GJ)	2,566,771	1,796,464	-30.0%
Power consumption (GJ/MWh)	1.736	1.176	-32.3%
The amount of GHG emissions (Scope 1&2) (tonnes CO ₂ e)	1,041,811	1,020,622	-2.0%
GHG emissions intensity (Scope 1&2) (tonnes CO ₂ e/MWh)	0.705	0.668	-5.2%

De-white Facility at Luannan Power Plant

- A reduction of heat loss by **installing a heat changer system**, which has 3 processes:
 - Entering cold water into the primary heat exchanger

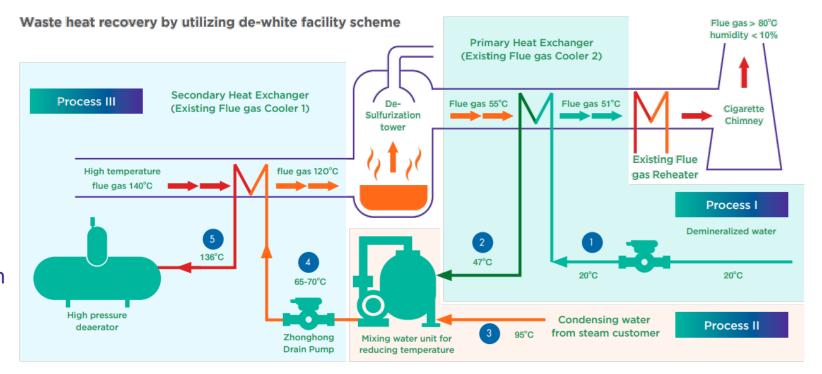
Water input : 20°C Water output : 47°C

II. Mixing water before entering into the secondary heat exchanger

Water input : 95°C Water output : 65°C

III. Supplying water for further utilization in the power generation process

Water input : 65-70°C Water output : 136°C



- White smoke reduction process generates thermal energy able to be **recycled back** into the production processes about **15 GJ/h**.
- Exhaust gas released from stacks has **temperature about 80°C** and a **humidity about 10%** (no white smoke during low temperature).
- Project costs approximately CNY 223,700 and pay back the investment cost within 18 days.



Decarbonization

BPP has implemented in various projects including:

- Developing Ammonia co-firing at BLCP Power Plant.
- Investing in Carbon Capture, Utilization and Storage (CCUS) with BKV dCarbon Venture in Cotton Cove Project.
- Signed MOU with Cherdchai Motor Sales Co., Ltd., to build a **lithium-ion battery assembly plant for e-Buses**.
- Investing in Oyika, accelerating battery swapping stations for electric motorbike.
- Developing Energy Management System (EMS), including utility management and energy efficiency solutions, facility management, and district cooling systems and infrastructure.











Light & Learn Project BANPUNEXT

"Learning is the Power of Change and Development"

• Starting from a small CSR project in 2560, initiated by employee, to provide solar panel for a school in Tak

Schools in remote area

- No electricity
- Limited teacher
- Limited access to information and internet
- Language problem leads to unsuccessful education in border area of Thailand







Light & Learn Project



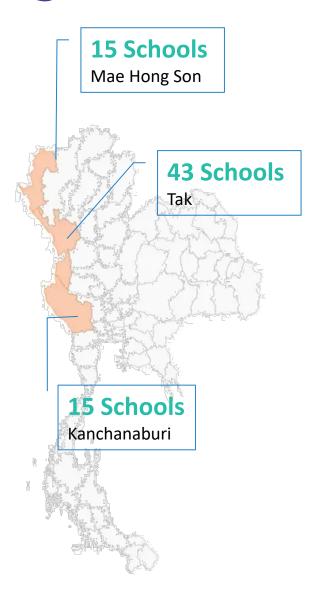
Strategy: Enhance brand awareness by developing real showcases and promotion

Long-term Target: Branding as [A leading smart energy solutions provider in Asia-Pacific with a vision, "Innovating Infinite Energy Solutions to All", and supports the global transition towards a Net-Zero society.]





Light & Learn Project



BENEFIT

Social Impact:

- Total of **73 schools** (2017-2022)
- 2,400 children
- Installed capacity 73,000 Watt by volunteer employees

Value creation to Company:

- Enhance **brand awareness** in renewable energy business
- Enhance employee engagement
- **PR Value 7.85 mTHB** in news media (2020 &2022)









"Light & Learn" บ้านปู เน็กซ์ เดินทางสร้าง แสงสว่างเพื่อการเรียนรู้ ตลอด 5 ปี ติดโซ





















Vision:

To be recognized as a pioneer Asian power company with a strong reputation for sustainable development, friendly community relations and respect for the natural environment.

Mission:

- To develop, own and promote both conventional and renewable power businesses using the most efficient technologies available for sustainable growth in pursuit of a position of leadership in Asia.
- To conduct all business in an ethically, socially and environmentally responsible manner.
- To create sustainable value for shareholders customers, business partners, employees and communities while being a good corporate citizen in all countries of operations.



Banpu Power Sustainability





- Investing in sound properties with effective cost management.
- Creating competitive advantages through utilizing innovations and developing employees' competencies.
- Establishing business partners throughout the supply chain.





Reliable

- · Raising Corporate Governance (CG) standards.
- Employing a risk management system and looking for business opportunities, striving towards the integrated energy producer and supplier.
- Establishing a monitoring and evaluation system as well as communicating a transparent operating result to stakeholders.





Eco-friendly

- Using innovations and high efficiency, low emissions technologies.
- Engaging stakeholders and communities surrounding the project areas.
- Implementing the environmental, occupational health and safety management system standards.

Banpu Power Supply Chain

Stakeholders: Suppliers

Natural gas

Fuel oil

Waste gas

chemicals

Other raw materials and

2. Transportation

Stakeholders: Contractors

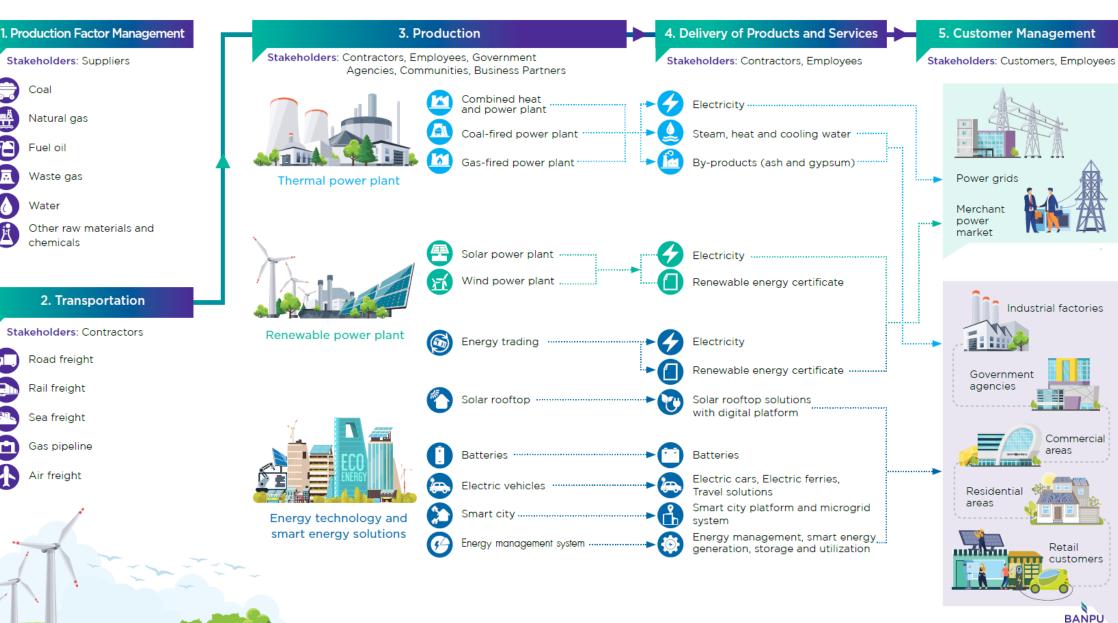
Road freight

Rail freight

Sea freight

Gas pipeline

Air freight





Its Commitment to ESG Principles as a Key Driver to Business Sustainability







Achieve power generating capacity target of

5,300 MWe

by 2025

4,500 MWe from thermal power generation 800 MW from renewable power generation

Improve energy efficiency and availability with an Available Factor not less than 90%

> and Forced Outage Factor not more than 5%



Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



Sulfur dioxide emissions < 0.0766 tonnes/GWh



Nitrogen oxide emissions < 1.184 tonnes/GWh



Particular matter emissions < 0.0230 tonnes/GWh



Goal

Ensure sustainable consumption and production patterns



Water consumption intensity not more than 0.868 m3/MWh by 2022



100% reuse or recycling of fly ash and bottom ash



Goal

Take urgent action to combat climate change



GHG emissions intensity per unit of product

less than 0.676 tonnes CO,e/ MWh



Increase energy generation capacity from renewable energy to

800 MW



Goal

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



Achieve zero fatalities and a zero lost time injury frequency rate for both employees and contractors



Employee Engagement score of

no less than 80%



Proportion of employees having Individual Development Plan

equivalent to 100%



Promote peaceful, inclusive societies for sustainable development and provide access to justice for all



Achieve zero incidents involving non-compliance, corporate governance and



All significant corporate governance complaints resolved through a dispute mechanism



Be certified as a member of the Collective Action Coalition Against Corruption (CAC)

recognition



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



consecutive year included in THSI for continuous development of sustainable operations inline with ESG principles



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

Commended Sustainability Award

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





Part of ASEAN Capital Markets Forum (ACMF), awarded to listed companies in ASEAN with high corporate governance practices, in line with international standards.

ASEAN Asset Class

Awarded in 2021 ASEAN Corporate Governance Scorecard for excellent corporate governance

Credit rating



A Strategic Partner of S&P Global

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

Д+

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











