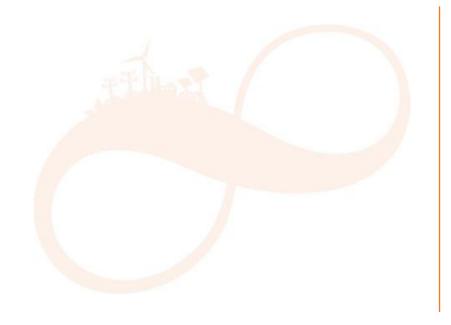


# **ENERGY TRANSITION**



# Agenda

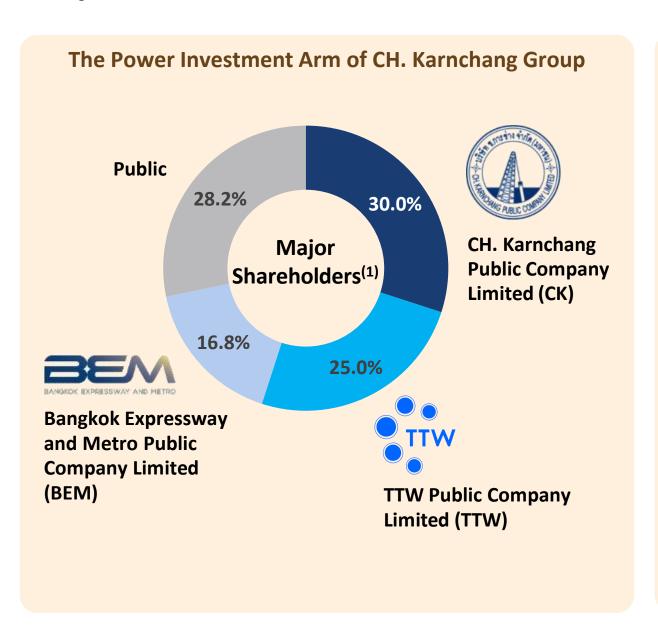




- 1. Corporate Overview and Sustainability
- 2. 1H 2024 Financial Performance
- 3. Projects Progress Update
- 4. Q&A

# **Corporate Overview**







#### **General Information**

**Symbol** : CKP

Established Date : 8 June 2011

**Listed Date**: 18 July 2013

**Paid-up Shares** : 8,129,382,729 shares

Par : Bt 1.00 per share

**Registered Capital** : Bt 8,129 mn

**Market Cap** : Bt 31,705 mn<sup>(2)</sup>

Indices : SET 100

SET ESG

SET CLMV

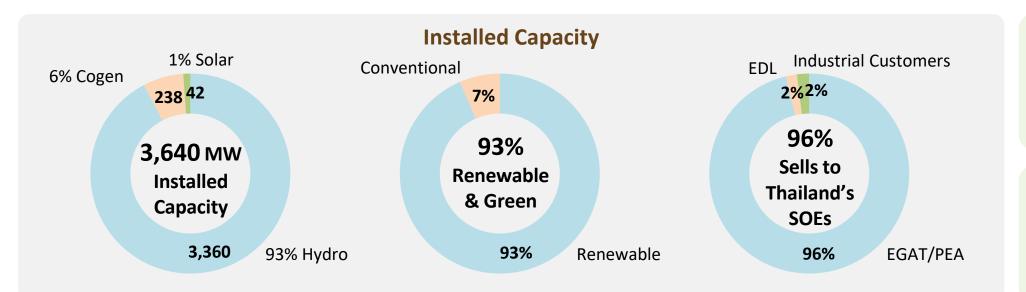
**Sector**: Energy

TRIS Rating : A-/Stable

CG Score :  $\triangle \triangle \triangle \triangle \triangle$ 

# **Portfolio Overview and Sustainability**









#### **Power Plants in Lao PDR**





COD: 2013 Ownership: 46.0% Capacity MW: 615 Equity MW: 283



## Xayaburi



COD: 2019
Ownership: 42.5%
Capacity MW: 1,285
Equity MW: 546



#### **Luang Prabang**



SCOD: Early 2030
Ownership: 50.0%
Capacity MW: 1,460
Equity MW: 730

## **Power Plants in Thailand**



Bangpa-in Cogeneration

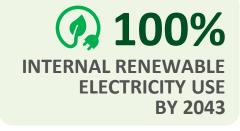


COD: 2013 and 2017 Ownership: 65.0% Capacity MW: 238 Equity MW: 155





COD: 2012-2027 Ownerships: 30%-100% Capacity MW: 29 ▶ 42 Equity MW: 32





# **ESG Strategy**





#### **UNSDG**

## **Sustainability Framework**

#### **Target**

#### **2023 Pathway Achievement**









**Energy Management and Climate Change** 

- 2043: **100%** renewable electricity consumption
- 2043: >95% renewable capacity
- 2050: Net Zero

- 93% renewable electricity consumption
- 93% renewable capacity
- Achieved **0.7 mtco2e** GHG emissions reduction target



- 2023: **Develop** biodiversity roadmap
- 2026: Assess residual impacts at all sites
- 2040: No Net Loss of biodiversity

- Completed biodiversity roadmap
- 65% screening and scoping for biodiversity
- 126 fish species migrated through XPCL











- 100% employee awareness on human rights
- 100% value chain human rights risk and impact assessment
- Zero case of human rights violation across the value chain
- 100% awareness achieved
- 100% human rights risk and impact assessment achieved
- Zero case of human rights violation



- 2026: Create value for society with renewable
- **Zero case** of unresolved complaints

- 40,330 Watts of renewable electricity to local communities
- **Zero case** of unresolved complaints













- Explore new customers and geographies within **ASEAN**
- Integrate digital transformation and other innovations
- Increase BKC capacity of 6 MW
- Sold 40% of BKC's 2023 Renewable Energy Certificate (REC)





# Agenda





- 1. Corporate Overview and Sustainability
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# 1H 2024 Snapshot



**NN2 Water Inflow** 

906 MCM

▲ +2.4% YoY

**XPCL Average Inflow** 

1,856

▼ -6.2% YoY

**BIC Average Gas Price** 

**333**Bt/MMBTU

▼ -29.1% YoY

**GHG Intensity** 

0.0834

tCO<sub>2</sub>e/MWh

Thailand Grid = 0.4999

Asia Responsible Enterprise Awards 2024



Won Asia Responsible Enterprise Awards 2024 – Social Empowerment

**NN2 Electricity** 

887
GWh

▲ +44.6% YoY

**XPCL Electricity** 

2,477 gwh

▼ -3.9% YoY

**BIC Electricity** 

754 GWh

▼ -0.6% YoY

**CORE NPAT** 

**-93** 

BT mn

▲ +26.9% YoY

**ESG100 List of 2024** 



Included in the ESG100 list of 2024

#### CKP Debentures No. 1/2024

Issue Size	Tenor	Average Interest Rate
Bt 4,000 mn	2-5 yrs	4.12%

## **CKP Dividend Payment 2024**

Dividend	Total	Payout Ratio <sup>(1)</sup>
0.085 Bt/share	Bt 691 mn	158.7%

## **CKP 1H 2024 Consolidated Income Statement**



Doggrintion	First Half	(Bt mn)	Changes	
Description	1H 2023	1H 2024	Inc/(Dec)	%
Revenue from Sales of Electricity and Steam	4,730.2	4,627.5	(102.7)	(2.2)
Project Management Income	189.0	192.6	3.6	1.9
Finance Income	264.3	274.7	10.4	3.9
Other Income	67.9	16.3	(51.6)	(76.0)
Total Revenues	5,251.4	5,111.1	(140.3)	(2.7)
Operating Expenses	(4,518.7)	(3,922.4)	(596.3)	(13.2)
Share of Profit (Loss) from Investments in Joint				
Ventures and Associated Companies	(260.8)	(678.6)	(417.8)	(160.2)
Foreign Exchange Gain	13.6	18.8	5.2	38.2
Earnings Before Interest and Tax	485.5	528.9	43.4	8.9
Finance Cost	(527.7)	(560.3)	32.6	6.2
Income Tax Expenses	(26.5)	(42.2)	15.7	59.2
Non-controlling Interests of the Subsidiaries	(33.8)	(313.4)	279.6	827.2
Net Loss attributable to Equity Holders of the				
Company	(102.5)	(387.0)	(284.5)	(277.6)
<u>Less:</u> Foreign Exchange Gain (Loss) attributable to				
Equity Holders of the Company	24.6	(294.1)	(318.7)	N/A
Core Net Loss	(127.1)	(92.9)	34.2	26.9



#### **Consolidated Subsidiaries**

NN2 Nam Ngum 2 Power

**BIC** Bangpa-In Cogeneration

**BKC** Bangkhenchai



## **Associate/Joint Venture**

**XPCL** Xayaburi Power

PCL Luang Prabang Power

NRS Nakhon Ratchasima Solar

**CRS** Chiangrai Solar

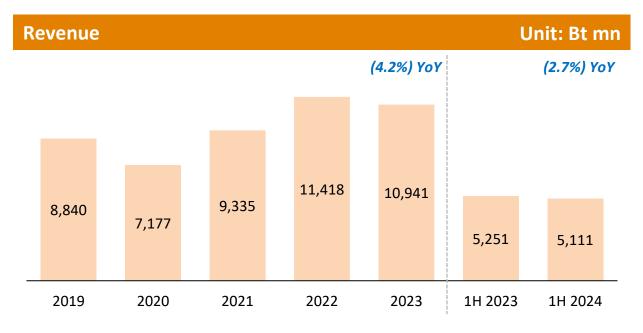


## **FX attribute to CKP**

- FX Gain (Loss) in proportion of CKP's shareholdings
- Share of FX Gain (Loss) from Associates

## **1H 2024 Consolidated Performance**

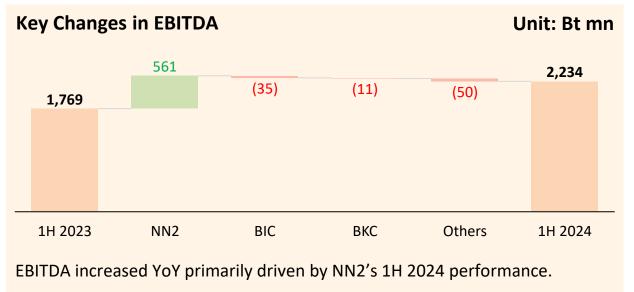






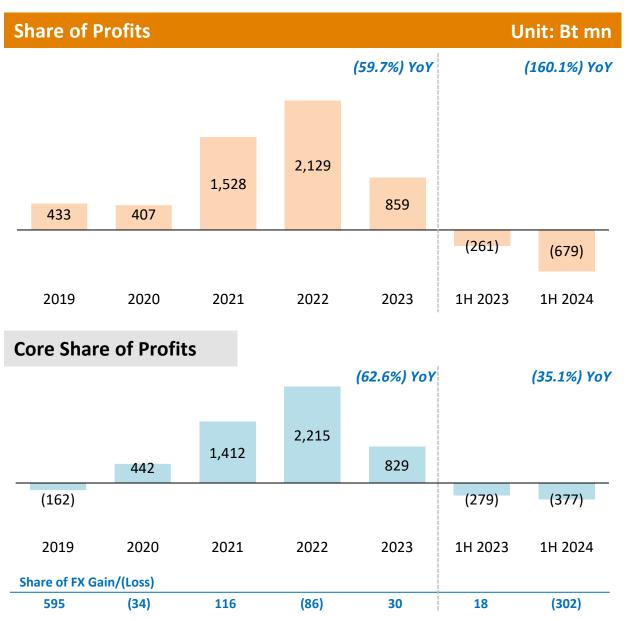
Revenue declined YoY mainly from the decrease in BIC's revenue due to lower natural gas price and ft; partially offset by higher electricity sales of NN2, driven by YoY higher storage level and water inflow.

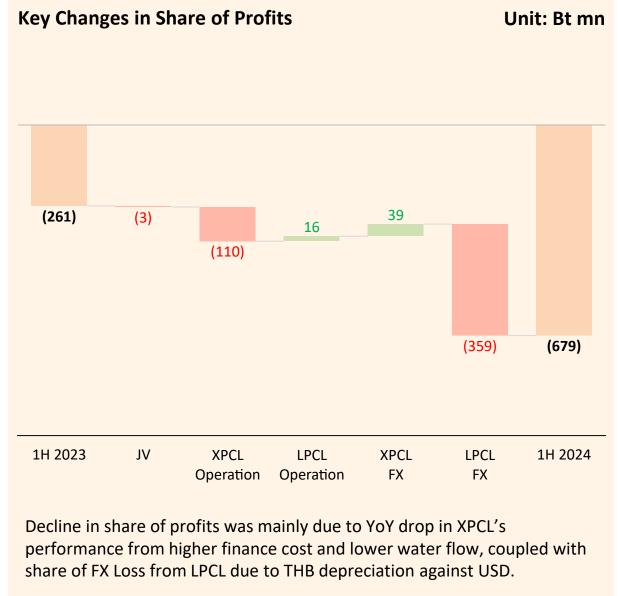




## **1H 2024 Consolidated Performance**

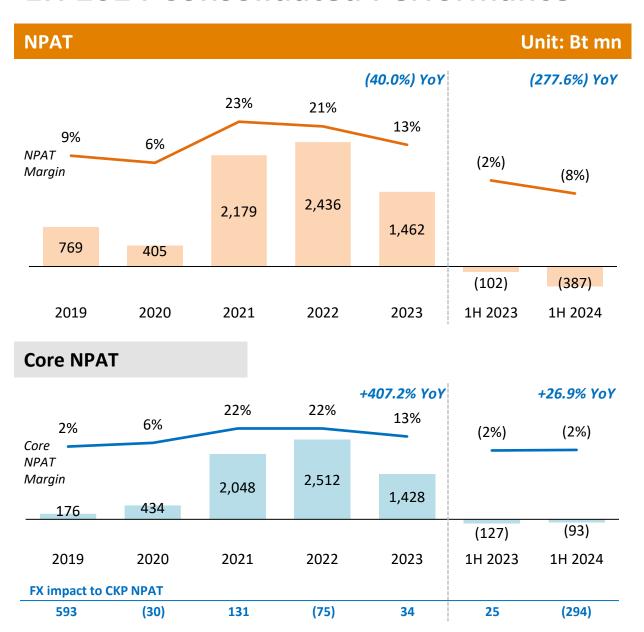


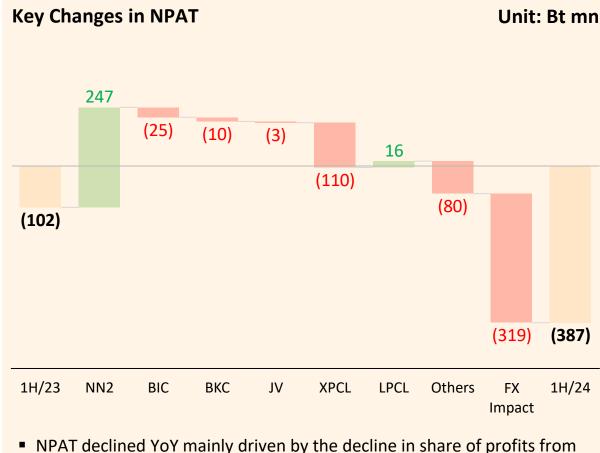




## **1H 2024 Consolidated Performance**







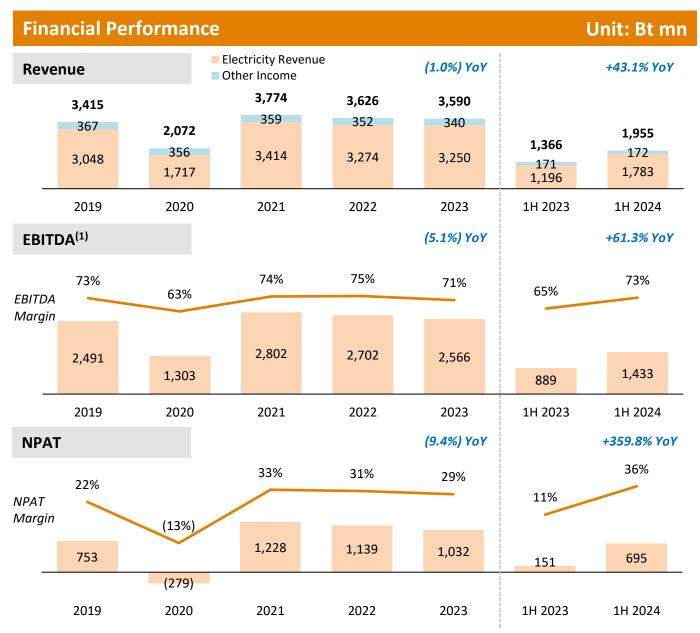
- NPAT declined YoY mainly driven by the decline in share of profits from XPCL and the FX loss, which came mainly from the translation of US Dollar loan of LPCL.
- Excluding FX impact, Core NPAT improved YoY mainly driven by NN2's strong 1H performance, following high beginning water level and water inflow during 1H 2024.

## **NN2 1H 2024 Financial Performance**





**Unit: Bt mn** 







- NPAT improved YoY mainly driven by higher Revenue from Sales of Electricity, FX Gain, and lower Finance Cost from redemption of matured Debentures;
- Partially offset by higher OPEX mainly from expenses related to the Major Overhaul, wheeling charge, and royalty fee.

#### **Key Activities in 2024**

- Major Overhaul during 2023-2025
  - Unit #3 on 18 Nov 28 Dec 2023 (completed)
  - Unit #1 on 3 Jan 15 Feb 2024 (completed)
  - o Unit #2 on 10 Nov 24 Dec 2025
- Debentures redemptions of Bt 1,400 mn in October.

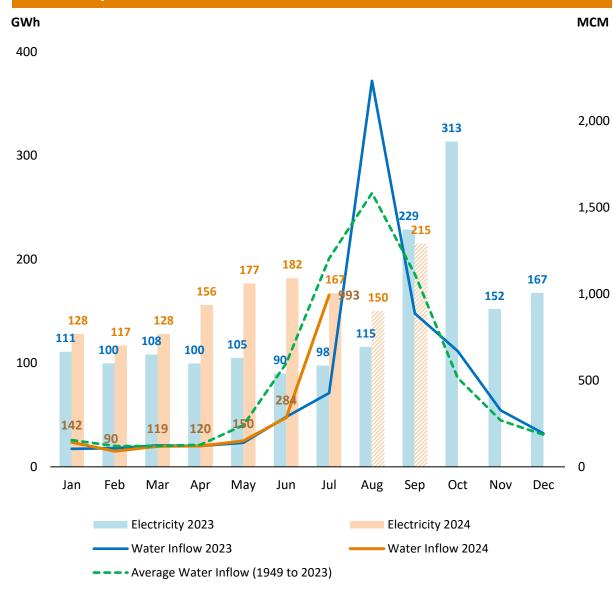
(1) Excluded FX Gain/(Loss)

# NN2 1H 2024 Operation

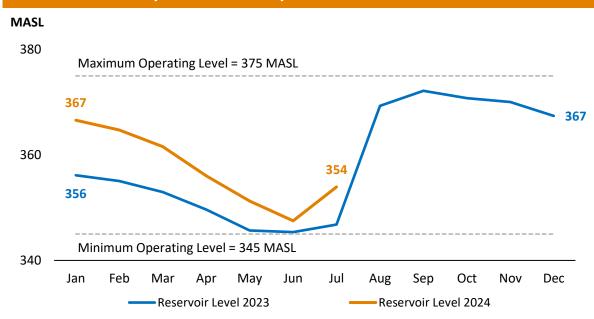




#### **Electricity Sales Volume and Water Inflow**



## **Reservoir Level (End of Month)**



## **Electricity Sales Volume**

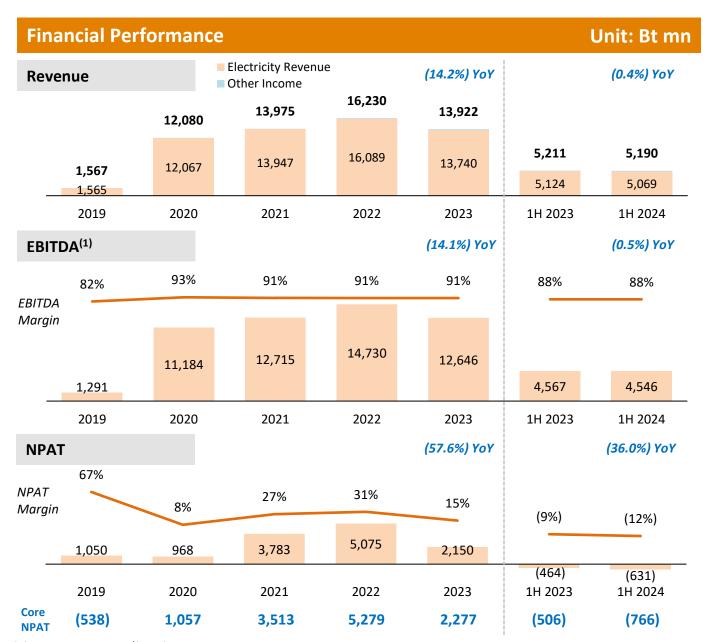
	2019	2020	2021	2022	2023	1H/23	1H/24
Water Inflow (MCM)	3,689	3,934	4,301	4,809	5,619	884	906
Total (GWh)	1,685	920	1,845	1,659	1,688	614	887
% Change	(31.4%)	(45.4%)	+100.5%	(10.1%)	+1.8%	(15.1%)	+44.6%
Avg. Tariff (Bt/kWh)	1.81	1.87	1.85	1.97	1.93	1.95	2.01

	PE Tariff		SE Tariff	EE Tariff
US\$	Bt	Total Bt equiv. (1)	Bt per	Bt per
per kWh	per kWh	per kWh	kWh	kWh
0.0267	1.041	1.948	1.353	1.145

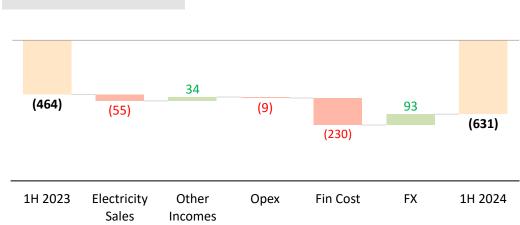
## **XPCL 1H 2024 Financial Performance**











 NPAT declined YoY, mainly because a YoY increase in finance cost driven by rising global interest rates and the decreased electricity sales following lower water flow; partially offset by FX Gain and interest income.

#### **Key Activities in 2024**

- Optimize electricity declaration and production
- Biodiversity Action Plan (BAP) and community care

# Cost Structure Unit: Bt mn

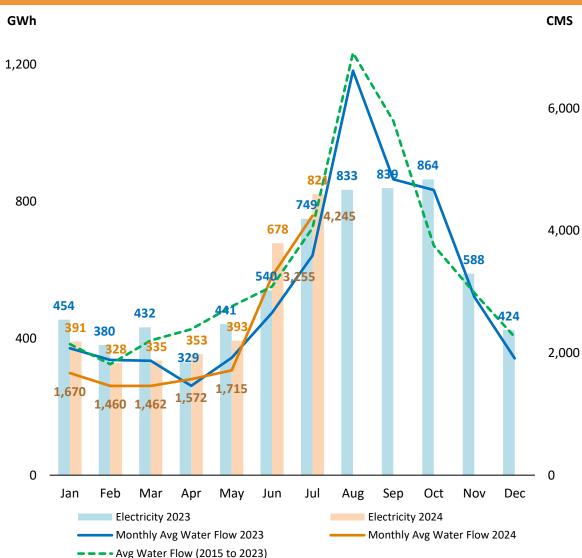


(1) Excluded FX Gain/(Loss)

# **XPCL 1H 2024 Operation**



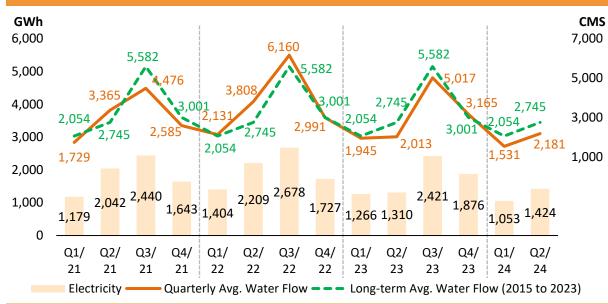




Note: XPCL Annual Supply Target: PE 4,299 GWh, SE 1,410 GWh

#### (1) Outstanding SE Excess Account was 119 GWh; (2) Long-term exchange rate assumption is 1 US\$ = 34 Baht

## **Quarterly Electricity Sales Volume and Water Flow**



## **Electricity Sales Volume**

	2019	2020	2021	2022	2023 <sup>(1)</sup>	1H/23	1H/24
Avg. Water Flow (CMS)	2,767	2,533	3,039	3,773	3,035	1,979	1,856
Total (GWh)	835	6,301	7,305	8,018	6,873	2,576	2,477
% Change		+655.0%	+15.9%	-9.8%	(14.3%)	(28.7%)	(3.9%)
Avg. Tariff (Bt/kWh)	1.88	1.91	1.91	2.01	2.00	1.99	2.05

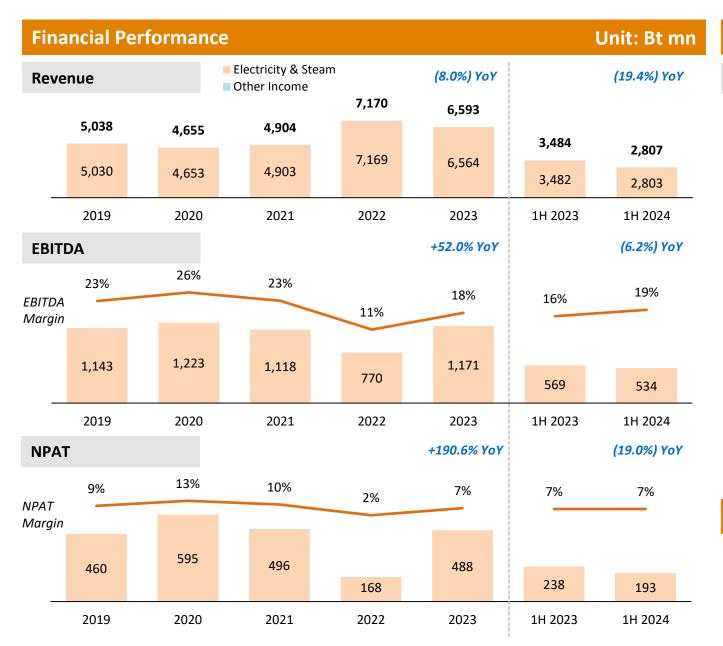
#### **Tariff Structure - EGAT**

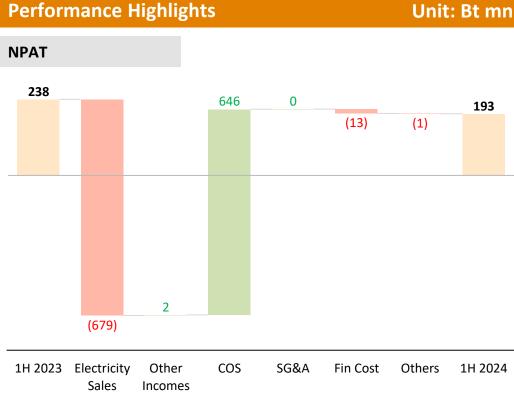
		PE Tariff		SE Tariff	EE Tariff
Year	US\$/kWh	Bt/kWh	Total Bt eq. <sup>(2)</sup> /kWh	Bt/kWh	Bt/kWh
2019-2024	0.0374	1.271	2.5419	1.652	1.050
2025 Onward	0.0374	1.271	2.5419	1.652	1.398

## **BIC 1H 2024 Financial Performance**









 NPAT declined YoY, mainly due to the YoY lower electricity sales volume, lower Ft, and higher finance cost.

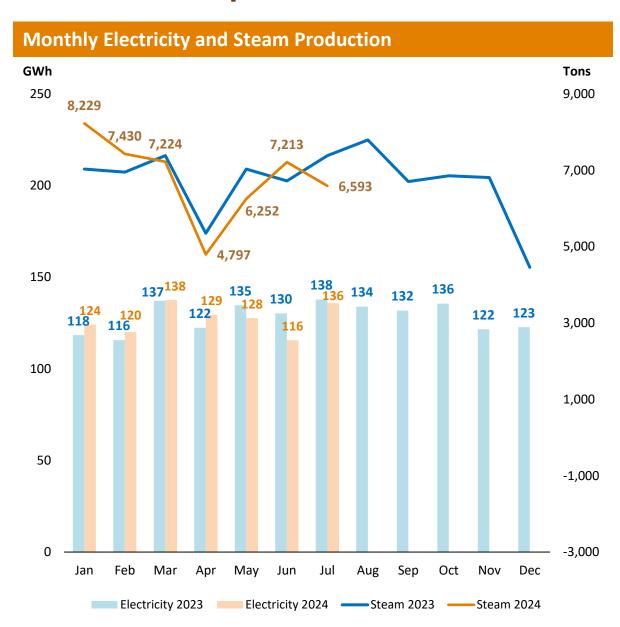
#### **Key Activities in 2024**

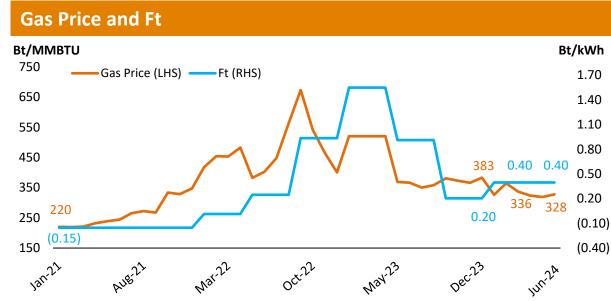
- Close monitor of gas price and cash flow management
- Load optimization and improvement of overall plant efficiency

# **BIC 1H 2024 Operation**







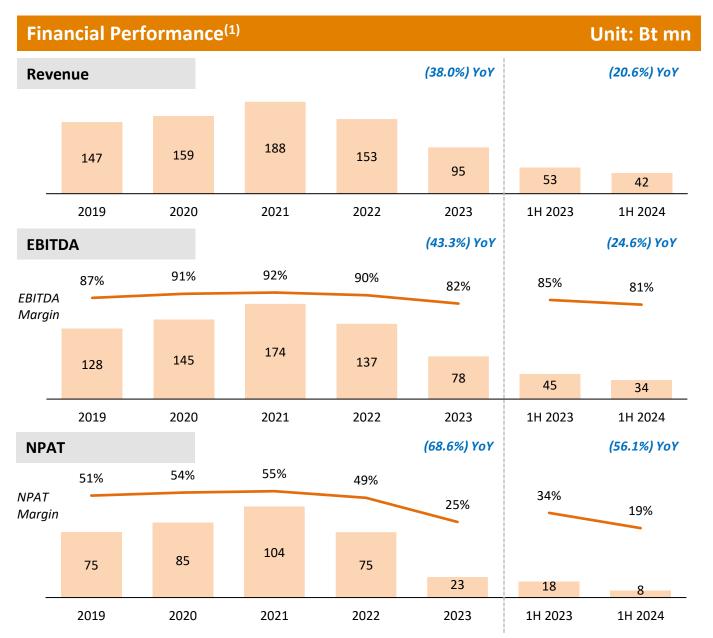


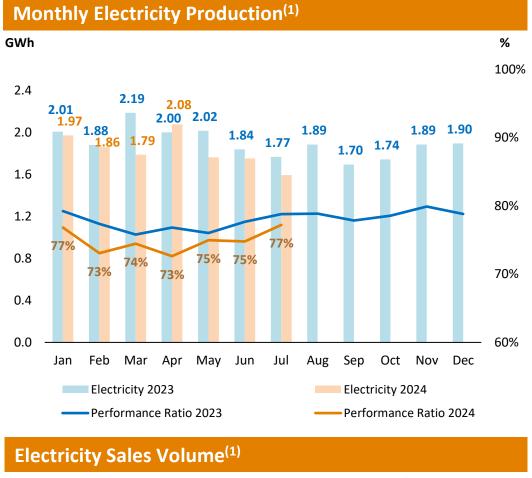
Electricity and	Ur	nit: GW	n/Tons				
	2019	2020	2021	2022	2023	1H/23	1H/24
EGAT	1,250	1,236	1,238	1,233	1,259	615	610
IUs	311	300	306	299	283	144	144
Total (GWh)	1,561	1,536	1,544	1,532	1,542	759	754
Steam (Tons)	87,486	74,026	73,395	78,036	80,492	40,480	41,145
Avg. Tariff (Bt/kWh)	3.18	3.00	3.14	4.62	4.12	4.54	3.64
Avg. Gas Price (Bt/MMBTU)	273	245	266	474	419	470	333
% Chg. in Electricity	+0.5%	(1.6%)	+0.5%	(0.8%)	+0.7%	(0.2%)	(0.6%)
% Chg. in Steam	(7.4%)	(15.4%)	(0.9%)	+6.3%	+3.1%	+12.4%	+1.6%
% Chg. in Gas Price	+5.8%	(10.4%)	+8.8%	+78.1%	(11.5%)	+8.7%	(29.1%)

## **BKC 1H 2024 Financial Performance**









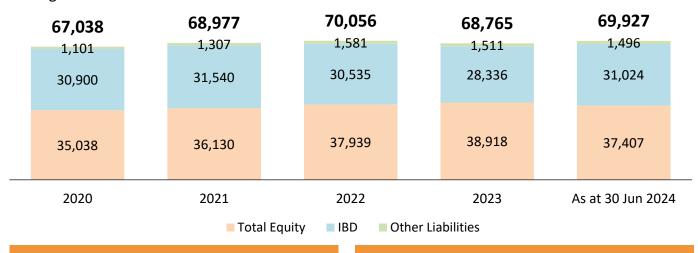
Electricity Sales Volume <sup>(1)</sup>										
	2019	2020	2021	2022	2023	1H/23	1H/24			
Electricity (GWh)	15.55	20.13	23.25	22.87	22.81	11.93	11.22			
% Change	+26.7%	+29.5%	15.5%	(1.6%)	(0.3%)	(0.7%)	(6.0%)			
Avg. Ft <sup>(2)</sup> (Bt/kWh)	(0.20)	(0.26)	(0.35)	0.25	0.72	1.10	0.30			

## **Consolidated Financial Position as at 30 June 2024**

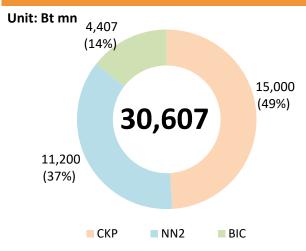


## Financial Position Unit: Bt mn

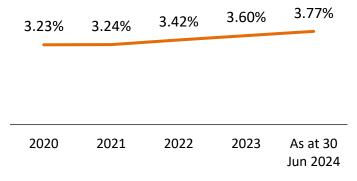
Total Assets slightly increased, mainly driven by cash from normal operation, proceeds from the Company's Debenture issuance and Promissory Note; offset by depreciation and amortization recognition.



#### **Average Cost of Debt**

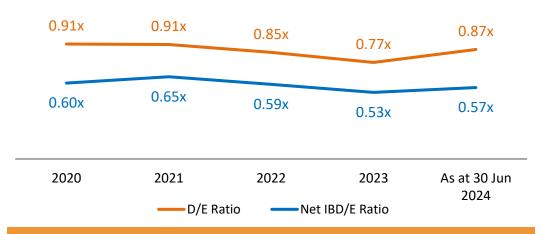


Long-term Loan and Debentures<sup>(1)</sup>



## **Leverage Ratios**

**CKP's Debentures Covenant:** Net IBD/E Ratio not exceeding 3.00x



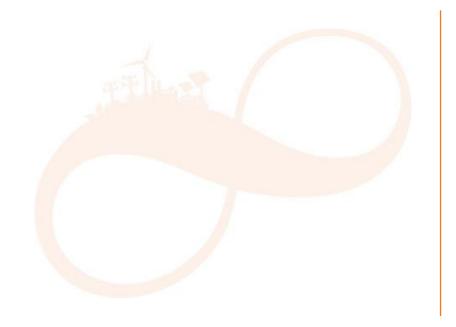
## **Investment & Capex Plan**

			St	Status		Bt mn	
New Inve	estment B	udget	2	024	500		
LPCL Equity Investment			2023	2023 – 2029		.7,000	
4,000 3,000 2,000 1,000	2,707	3,187	2,913	3,393	3,255	1,508	
-	2024	2025	2026 LPCL	2027 Others	2028	2029	

(1) Excluding transaction costs

# Agenda





- 1. Corporate Overview and Sustainability
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# **Projects Progress Update**





# **LPCL Progress Update as of June 2024**



■ Construction Progress: 30%

CKP Shareholding: 50%

■ CKP Equity Injection: Bt 5,239 mn



## **Solar PPAs with BEM**



Capacity: 7 MW

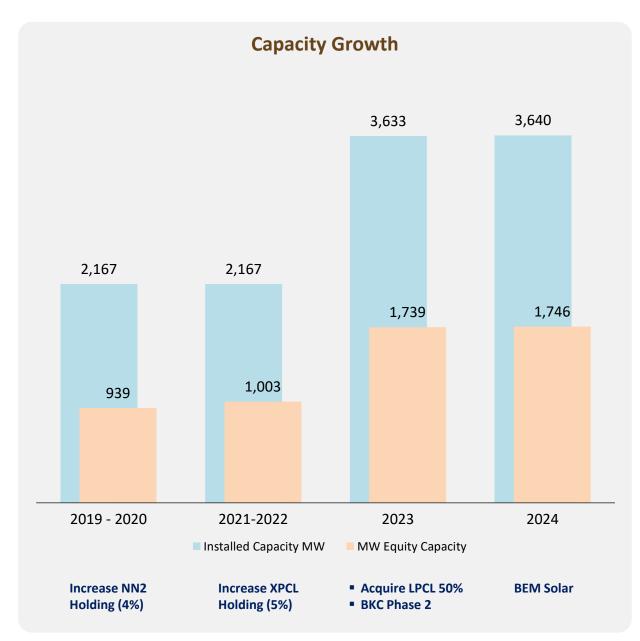
■ Investment BG: Up to Bt 250 mn

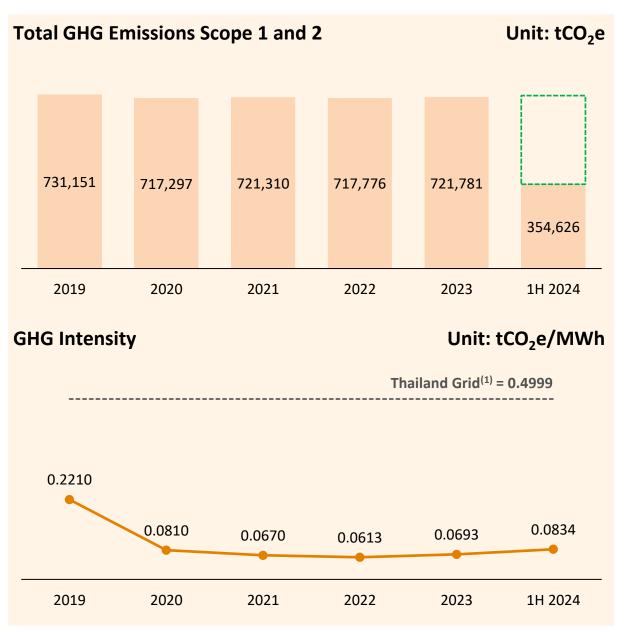
■ PPA Period: 25 years from COD

■ CKP Solar MW: 29 MW > 42 MW

# **Growth and Sustainability**

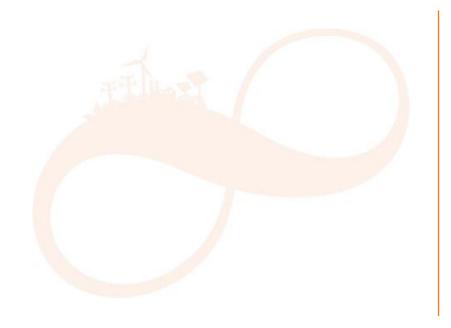






# Agenda



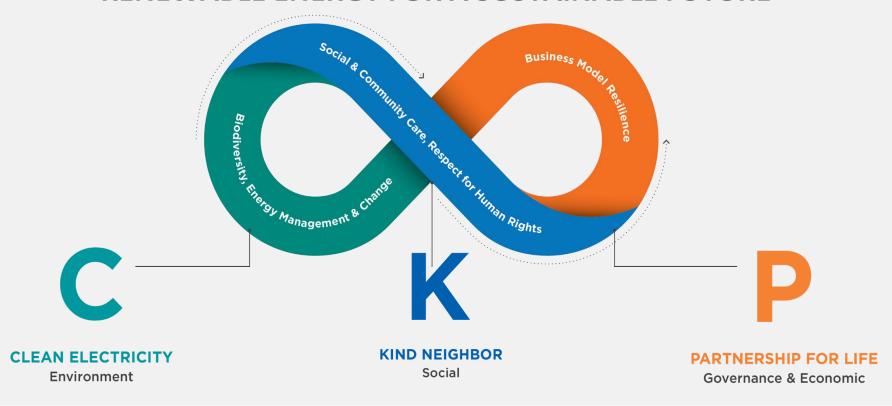


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# **THANK YOU**

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## **Investor Relations**



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