

CK POWER CKP TB

THAILAND / UTILITIES - CONVENTIONAL

BUY

UNCHANGED

More water, more earnings

- We remain positive on CKP's net profit growth outlook, both in the short term and long term.
- We project CKP to post a strong THB850m net profit in 2Q22, up from THB39m in 1Q22 and +20% y-y.
- Maintain BUY and our DCF-based target price of THB6.6.

TARGET PRICE	THB6.60
CLOSE	THB5.35
UP/DOWNSIDE	+23.4%
PRIOR TP	THB6.60
CHANGE IN TP	UNCHANGED
TP vs CONSENSUS	+1.1%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	8,798	12,268	13,651	13,930
Net profit	2,179	3,103	3,121	3,777
EPS (THB)	0.27	0.38	0.38	0.46
vs Consensus (%)	-	31.9	19.5	37.7
EBITDA	3,388	4,403	3,568	3,873
Core net profit	2,213	3,103	3,121	3,777
Core EPS (THB)	0.27	0.38	0.38	0.46
Chg. In EPS est. (%)	-	-	-	-
EPS growth (%)	431.4	40.2	0.6	21.0
Core P/E (x)	19.7	14.0	13.9	11.5
Dividend yield (%)	0.7	1.9	1.9	2.8
EV/EBITDA (x)	16.0	11.4	13.1	11.1
Price/book (x)	1.8	1.6	1.5	1.3
Net debt/Equity (%)	(1.2)	(14.8)	(24.9)	(33.5)
ROE (%)	9.1	11.8	10.8	12.0

More sanguine in near and long term

We remain positive on CKP's net profit growth outlook, both in the short term and long term. In 3Q22, we project high electricity production levels from its two hydropower plants, the run-of-river 1.2GW Xaiyaburi (XPCL) and the 0.6GW Nam Ngum 2 (NN2) reservoir. For the long term, in April 2022 CKP secured a tariff memorandum of understanding (MOU) with the Electricity Generating Authority of Thailand (EGAT), which is scheduled to take effect when the Luangprabang project commences its commercial operation date (COD).

Expect a net profit of THB850m in 2Q22

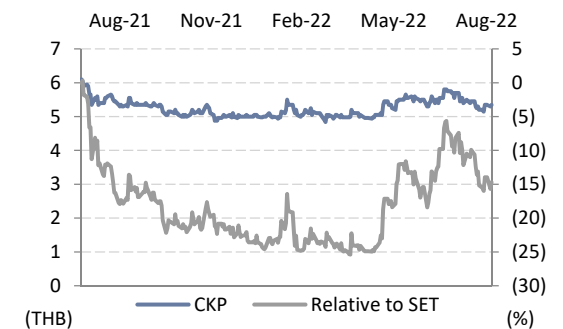
We project CKP to post a strong THB850m net profit in 2Q22, up from THB39m in 1Q22 and +20% y-y. Key drivers in our estimation are 1) the high electricity production of XPCL to reach over a 90% capacity factor (CF) in 2Q22 and likely generate equity income of THB1.2b to CKP; 2) rising electricity production from NN2 on the higher water level stored at its reservoir, which is likely to produce y-y higher electrical output in 2H22; 3) the improving margin of the Bang-pa-in small power producer (SPP) due to the higher selling price to partly cover the rising gas cost; and 4) strong electricity production from its solar farms.

Luangprabang hydro is now secured

After two years of delays, on 27 April 2022, CKP signed a tariff MOU with EGAT for its THB160b, 1.46GW run-of-river hydropower plant Luangprabang in northern Laos on the Mekong River at a levelized tariff of THB2.403/kWh under Thailand's Power Development Plan 2018 Revision 1. CKP, along with its parent company CK, has long awaited the tariff and power purchase agreement for Luangprabang. We think CKP could see earnings growth from Luangprabang by 2029. Thailand has increased its electricity purchases from Laos from 9GW to 10.5GW.

Buy ahead of strong 2Q22E results

We maintain BUY and our DCF-based target price of THB6.6. We believe CKP is Thailand's best play on the hydropower investment theme given its hydro-dominant earnings and the upside from the Luangprabang project, scheduled to COD in 2029 or 2030 under the Power Development Plan Revision 1.



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(6.1)	(1.8)	(13.0)
Relative to country (%)	(7.1)	2.1	(15.7)
Mkt cap (USD m)	1,205		
3m avg. daily turnover (USD m)	2.9		
Free float (%)	28		
Major shareholder	CH. Karnchang PCL (27%)		
12m high/low (THB)	6.30/4.70		
Issued shares (m)	7,370.00		

Sources: Bloomberg consensus; FSSIA estimates



Suwat Sinsadok, CFA, FRM, ERP
 suwat.sin@fssia.com
 +66 2611 3558

Siriluck Pinthusoonthorn
 siriluck.pin@fssia.com
 +66 2611 3562

Investment thesis

CK Power was established by CH. Karnchang PCL (CK TB, BUY, TP THB26), one of three main contractors in Thailand, in 2011 as a holding company that focuses on investing in the production and distribution of electricity generated from various types of energy sources.

The company's core revenue source is dividends from its investments in subsidiaries and associated companies. CKP sells its electricity to the Electricity Generating Authority of Thailand (EGAT) and industrial users (IU) through the independent power producer (IPP) and small power producer (SPP) mechanisms. Currently, CKP holds three main business types: 1) hydropower; 2) solar farms; and 3) cogeneration power plants.

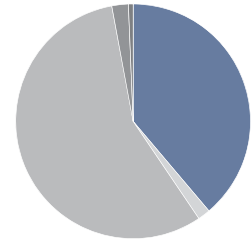
Company profile

CKP is a power subsidiary of CH. Karnchang PCL, operating power plant assets in Thailand and Laos that include hydropower plants, solar farms, and SPPs.

www.ckpower.co.th

Principal activities (revenue, 2021)

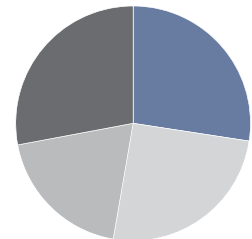
- Generation of electricity from hydroelectric power segment - 38.8 %
- Generation of electricity from solar power segment - 1.7 %
- Generation of electricity from thermal power segment - 56.5 %



Source: CK Power

Major shareholders

- CH. Karnchang PCL - 27.4 %
- TTW Plc - 25.3 %
- BEM Plc - 19.3 %
- Others - 27.9 %



Source: CK Power

Catalysts

Higher utilisation rates of power plants and rising demand for electricity in Thailand and Laos should be key growth drivers.

Risks to our call

The downside risks to our SoTP-based TP include lower-than-expected demand for electricity in Thailand and lower-than-expected water supply for hydro projects.

Event calendar

Date	Event
Aug 2022	2Q22 results announcement

Key assumptions

	2022E	2023E	2024E
Tariff (THB/kWh)	2.90	2.96	3.02
Capex (THB m)	1,605	1,605	1,605
XPCL capacity factor (%)	60	65	65
NN2 capacity factor (%)	50	50	50

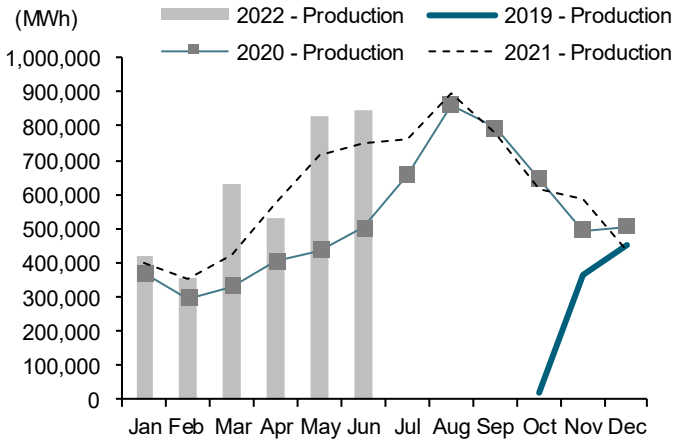
Source: FSSIA estimates

Earnings sensitivity

- For every 1% increase in gas price, we estimate 2022 earnings would rise by 1.1%, and vice versa, all else being equal.
- For every 1% increase in interest rate, we estimate 2022 earnings would decline by 1.3%, and vice versa, all else being equal.

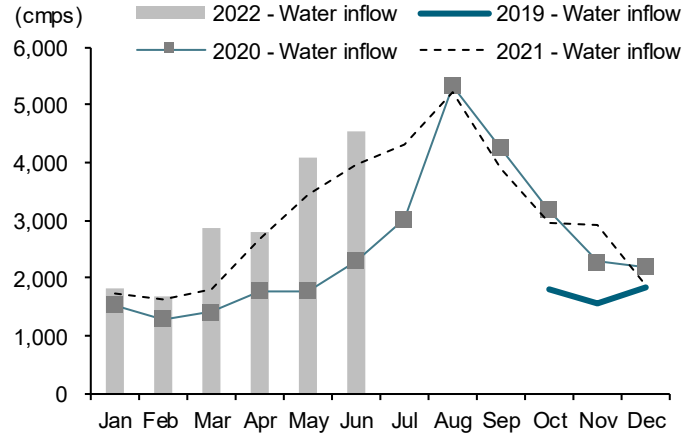
Source: FSSIA estimates

Exhibit 1: XPCL's electricity production



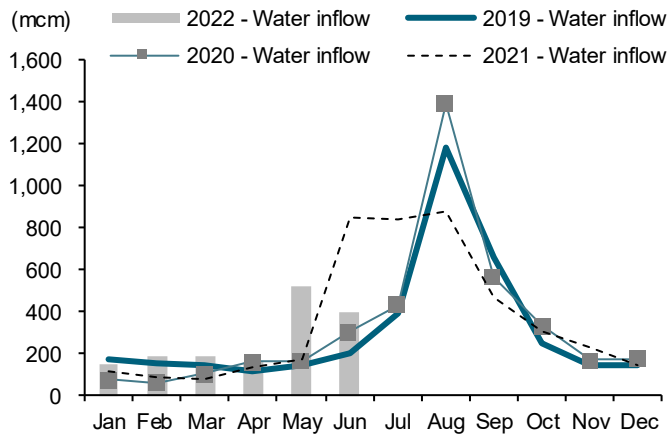
Source: CKP

Exhibit 2: XPCL's water flows



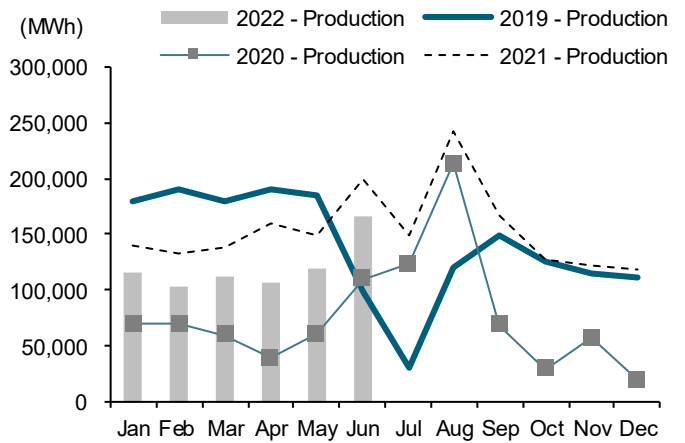
Source: CKP

Exhibit 3: NN2's water flows



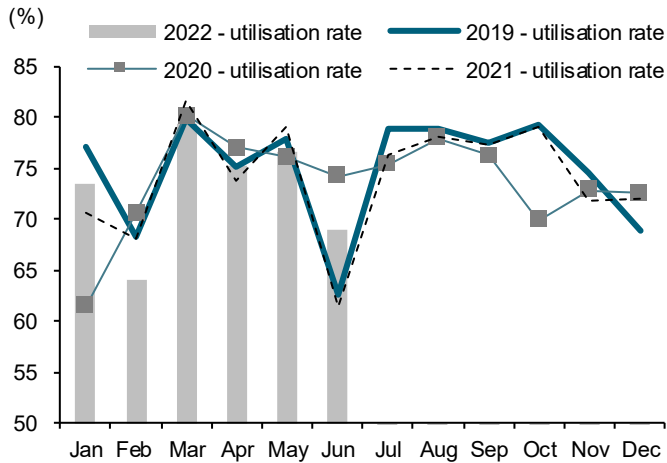
Source: CKP

Exhibit 4: NN2's electricity production



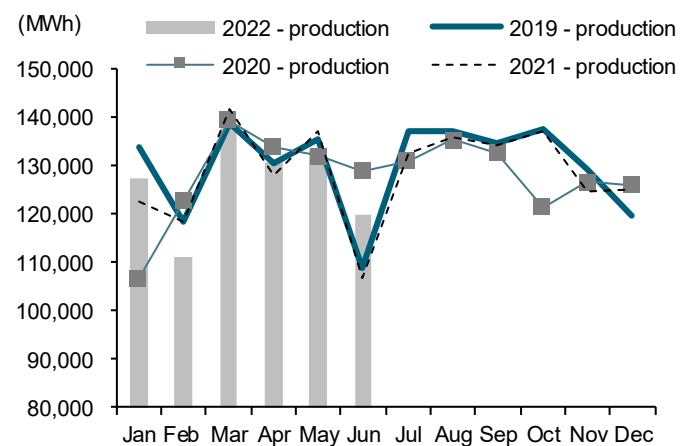
Source: CKP

Exhibit 5: Utilisation rates of SPPs



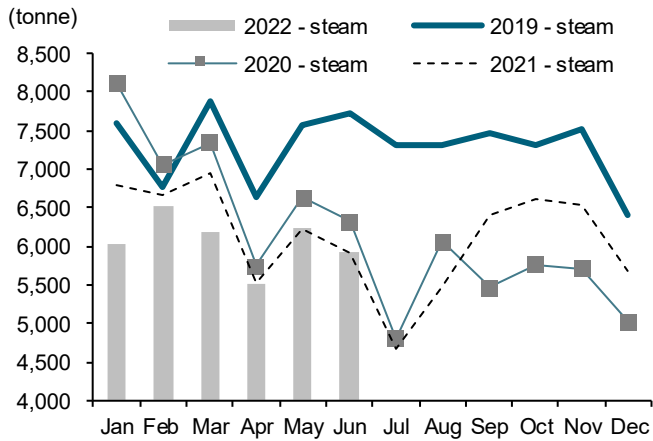
Source: CKP

Exhibit 6: Electricity production of SPPs



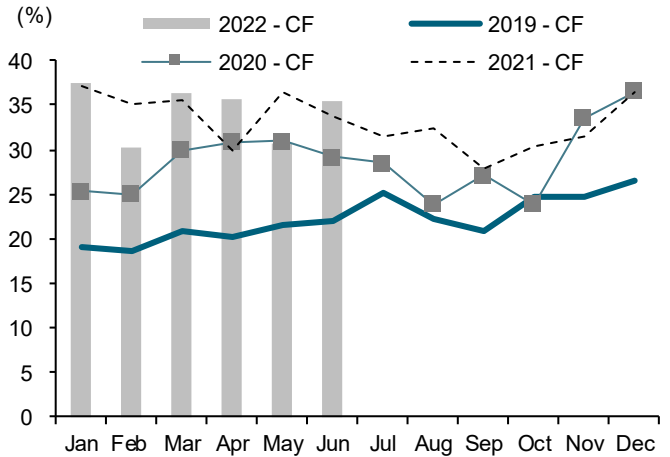
Source: CKP

Exhibit 7: Steam sales volumes of SPPs



Source: CKP

Exhibit 8: Capacity factors of solar farms



Source: CKP

Exhibit 9: 2Q22/6M22 results preview

	2Q21	1Q22	2Q22E		6M21	6M22E	Change	2022E	
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)	(THB m)
Revenue	2,180	2,416	2,256	(6.6)	3.5	4,165	4,672	12.2	12,268
Operating costs	(1,280)	(1,814)	(1,486)	(18.1)	16.1	(2,468)	(3,300)	33.7	(7,865)
EBITDA	900	602	770	27.9	(14.4)	1,697	1,372	(19.1)	4,403
<i>EBITDA margin (%)</i>	<i>41.3</i>	<i>24.9</i>	<i>34.1</i>	<i>nm</i>	<i>nm</i>	<i>40.7</i>	<i>29.4</i>	<i>nm</i>	<i>35.9</i>
Deprn & amort.	(391)	(388)	(399)	2.8	2.1	(777)	(787)	1.3	(1,605)
EBIT	509	214	371	73.5	(27.1)	920	585	(36.4)	2,798
Interest expense	(267)	(267)	(275)	3.0	2.9	(529)	(542)	2.4	(789)
Interest & invt inc	115	126	169	34.5	47.5	229	295	28.9	424
Other income	1	1	1	(18.3)	(3.8)	3	2	(13.4)	10
Associates' contrib	532	(3)	842	nm	58.4	499	839	68.0	2,240
Exceptionals	7	1	1	30.4	(85.8)	18	2	(90.1)	-
Pretax profit	896	71	1,109	1,451.1	23.8	1,139	1,180	3.7	4,682
Tax	(16)	(9)	(16)	76.9	0.3	(24)	(25)	4.8	(116)
<i>Tax rate (%)</i>	<i>1.8</i>	<i>12.6</i>	<i>1.4</i>	<i>nm</i>	<i>nm</i>	<i>2.1</i>	<i>2.1</i>	<i>1.1</i>	<i>2.5</i>
Minority interests	(173)	(24)	(243)	924.1	40.5	(293)	(267)	(9.0)	(1,462)
Net profit	707	39	850	2,094.9	20.2	822	889	8.2	3,103
Core net profit	700	38	849	2,130.9	21.3	804	887	10.3	3,103
EPS (THB)	0.10	0.01	0.10	1,889.9	9.0	0.11	0.11	(1.5)	0.38
Core EPS (THB)	0.09	0.01	0.10	944.4	10.0	0.11	0.11	0.4	0.38

Sources: CKP; FSSIA estimates

Financial Statements

CK Power

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	6,695	8,798	12,268	13,651	13,930
Cost of goods sold	(4,417)	(4,915)	(7,252)	(9,400)	(9,361)
Gross profit	2,278	3,883	5,016	4,251	4,570
Other operating income	-	-	-	-	-
Operating costs	(428)	(494)	(613)	(683)	(697)
Operating EBITDA	1,850	3,388	4,403	3,568	3,873
Depreciation	(1,561)	(1,571)	(1,605)	(1,605)	(1,605)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	289	1,817	2,798	1,963	2,268
Net financing costs	(511)	(503)	(366)	(34)	266
Associates	407	1,528	2,240	2,780	2,905
Recurring non-operating income	416	1,532	2,250	2,790	2,915
Non-recurring items	(12)	(34)	0	0	0
Profit before tax	182	2,812	4,682	4,720	5,449
Tax	16	(61)	(116)	(92)	(121)
Profit after tax	198	2,751	4,566	4,627	5,328
Minority interests	207	(572)	(1,462)	(1,506)	(1,551)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	405	2,179	3,103	3,121	3,777
Non-recurring items & goodwill (net)	12	34	0	0	0
Recurring net profit	416	2,213	3,103	3,121	3,777
Per share (THB)					
Recurring EPS *	0.05	0.27	0.38	0.38	0.46
Reported EPS	0.05	0.27	0.38	0.38	0.46
DPS	0.02	0.04	0.10	0.10	0.15
Diluted shares (used to calculate per share data)	8,129	8,129	8,129	8,129	8,129
Growth					
Revenue (%)	(20.1)	31.4	39.4	11.3	2.0
Operating EBITDA (%)	(35.7)	83.1	30.0	(19.0)	8.5
Operating EBIT (%)	(78.7)	528.3	54.0	(29.8)	15.5
Recurring EPS (%)	(46.0)	431.4	40.2	0.6	21.0
Reported EPS (%)	(47.4)	438.4	42.4	0.6	21.0
Operating performance					
Gross margin inc. depreciation (%)	10.7	26.3	27.8	19.4	21.3
Gross margin of key business (%)	10.5	25.9	27.8	19.4	21.3
Operating EBITDA margin (%)	27.6	38.5	35.9	26.1	27.8
Operating EBIT margin (%)	4.3	20.7	22.8	14.4	16.3
Net margin (%)	6.2	25.2	25.3	22.9	27.1
Effective tax rate (%)	7.1	4.8	4.8	4.8	4.8
Dividend payout on recurring profit (%)	39.0	14.0	26.2	26.0	32.3
Interest cover (X)	1.4	6.7	13.8	140.9	(19.5)
Inventory days	5.1	4.8	4.2	4.4	5.0
Debtor days	64.0	54.2	56.8	70.8	90.1
Creditor days	54.1	57.4	57.5	60.5	68.5
Operating ROIC (%)	0.8	5.4	8.7	6.4	7.8
ROIC (%)	1.0	4.6	6.8	6.5	7.3
ROE (%)	1.8	9.1	11.8	10.8	12.0
ROA (%)	0.9	4.7	6.8	6.1	6.4
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Generation of electricity from hydroelectric power segment	2,348	3,416	6,606	5,450	5,451
Generation of electricity from solar power segment	150	151	152	152	153
Generation of electricity from thermal power segment	3,945	4,974	5,253	7,792	8,068
Other operating segment	200	201	201	201	202

Sources: CK Power; FSSIA estimates

Financial Statements

CK Power

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	416	2,213	3,103	3,121	3,777
Depreciation	1,561	1,571	1,605	1,605	1,605
Associates & minorities	407	1,528	2,240	2,780	2,905
Other non-cash items	-	-	-	-	-
Change in working capital	685	201	(316)	(413)	(804)
Cash flow from operations	3,069	5,513	6,632	7,093	7,483
Capex - maintenance	(1,561)	(1,571)	(1,605)	(1,605)	(1,605)
Capex - new investment	(1,353)	(1,455)	(1,605)	(1,605)	(1,605)
Net acquisitions & disposals	(396)	(4,864)	0	0	0
Other investments (net)	4,607	9,335	2,240	2,780	2,905
Cash flow from investing	1,298	1,445	(971)	(430)	(305)
Dividends paid	(3,253)	(3,252)	(309)	(813)	(813)
Equity finance	0	0	0	0	0
Debt finance	2,381	(4,540)	(142)	0	0
Other financing cash flows	1,190	(982)	193	(844)	(1,049)
Cash flow from financing	318	(8,774)	(258)	(1,657)	(1,862)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	4,685	(1,816)	5,404	5,006	5,316
Free cash flow to firm (FCFF)	5,363.23	8,028.18	6,450.67	7,444.08	7,958.53
Free cash flow to equity (FCFE)	7,937.55	1,435.16	5,712.80	5,819.17	6,128.53

Per share (THB)	2020	2021	2022E	2023E	2024E
FCFF per share	0.73	1.09	0.88	1.01	1.08
FCFE per share	1.08	0.19	0.78	0.79	0.83
Recurring cash flow per share	0.29	0.65	0.85	0.92	1.02

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	39,677	39,070	39,070	39,070	39,070
Less: Accumulated depreciation	(12,675)	(13,523)	(15,128)	(16,733)	(18,338)
Tangible fixed assets (net)	27,002	25,547	23,942	22,337	20,732
Intangible fixed assets (net)	3,681	3,752	3,752	3,752	3,752
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	12,711	17,575	17,575	17,575	17,575
Cash & equivalents	8,899	7,082	12,487	17,493	22,808
A/C receivable	1,054	1,557	2,258	3,039	3,835
Inventories	61	68	99	129	128
Other current assets	552	1,005	1,401	1,559	1,591
Current assets	10,566	9,712	16,245	22,219	28,362
Other assets	13,079	12,391	12,391	12,391	12,391
Total assets	67,038	68,977	73,905	78,274	82,812
Common equity	23,774	24,834	27,628	29,937	32,900
Minorities etc.	11,264	11,296	12,759	14,265	15,815
Total shareholders' equity	35,038	36,130	40,387	44,201	48,716
Long term debt	5,638	5,142	5,000	5,000	5,000
Other long-term liabilities	20,088	24,311	24,311	24,311	24,311
Long-term liabilities	25,725	29,453	29,311	29,311	29,311
A/C payable	620	927	1,358	1,760	1,753
Short term debt	5,544	1,500	1,500	1,500	1,500
Other current liabilities	111	968	1,349	1,502	1,532
Current liabilities	6,275	3,394	4,207	4,761	4,785
Total liabilities and shareholders' equity	67,038	68,977	73,905	78,274	82,812
Net working capital	936	735	1,051	1,464	2,269
Invested capital	57,408	60,000	58,711	57,519	56,718

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)	2020	2021	2022E	2023E	2024E
Book value per share	2.92	3.05	3.40	3.68	4.05
Tangible book value per share	2.47	2.59	2.94	3.22	3.59

Financial strength	2020	2021	2022E	2023E	2024E
Net debt/equity (%)	6.5	(1.2)	(14.8)	(24.9)	(33.5)
Net debt/total assets (%)	3.4	(0.6)	(8.1)	(14.0)	(19.7)
Current ratio (x)	1.7	2.9	3.9	4.7	5.9
CF interest cover (x)	19.2	6.7	21.0	221.0	(28.1)

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	104.4	19.7	14.0	13.9	11.5
Recurring P/E @ target price (x) *	128.8	24.2	17.3	17.2	14.2
Reported P/E (x)	107.5	20.0	14.0	13.9	11.5
Dividend yield (%)	0.4	0.7	1.9	1.9	2.8
Price/book (x)	1.8	1.8	1.6	1.5	1.3
Price/tangible book (x)	2.2	2.1	1.8	1.7	1.5
EV/EBITDA (x) **	30.8	16.0	11.4	13.1	11.1
EV/EBITDA @ target price (x) **	36.3	19.0	13.7	16.0	13.7
EV/invested capital (x)	1.0	0.9	0.9	0.8	0.8

* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income

Sources: CK Power; FSSIA estimates

Corporate Governance report of Thai listed companies 2021

EXCELLENT LEVEL – Score range 90-100										
AAV	BCPG	CPALL	GCAP	K	MSC	PLANET	SAMART	SPI	THRE	TVD
ADVANC	BDMS	CPF	GFPT	KBANK	MST	PLAT	SAMTEL	SPRC	THREL	TVI
AF	BEM	CPI	GGC	KCE	MTC	PORT	SAT	SPVI	TIPCO	TVO
AH	BGC	CPN	GLAND	KKP	MVP	PPS	SC	SSSC	TISCO	TWPC
AIRA	BGRIM	CRC	GLOBAL	KSL	NCL	PR9	SCB	SST	TK	U
AKP	BIZ	CSS	GPI	KTB	NEP	PREB	SCC	STA	TKT	UAC
AKR	BKI	DDD	GPSC	KTC	NER	PRG	SCCC	STEC	TMT	UBIS
ALT	BOL	DELTA	GRAMMY	LALIN	NKI	PRM	SCG	STI	TNDT	UV
AMA	BPP	DEMCO	GULF	LANNA	NOBLE	PROUD	SCGP	SUN	TNITY	VGI
AMATA	BRR	DRT	GUNKUL	LH	NSI	DRSH	SCM	SUSCO	TOA	VIH
AMATAV	BTS	DTAC	HANA	LHFG	NVD	PSL	SDC	SUTHA	TOP	WACOAL
ANAN	BTW	DUSIT	HARN	LIT	NWR	PTG	SEAFCO	SVI	TPBI	WAVE
AOT	BWG	EA	HMPRO	LPN	NYT	PTT	SEAOIL	SYMC	TQM	WHA
AP	CENTEL	EASTW	ICC	MACO	OISHI	PTTEP	SE-ED	SYNTEC	TRC	WHAUP
ARIP	CFRESH	ECF	ICHI	MAJOR	OR	PTTGC	SELIC	TACC	TRU	WICE
ARROW	CHEWA	ECL	III	MAKRO	ORI	PYLON	SENA	TASCO	TRUE	WINNER
ASP	CHO	EE	ILINK	MALEE	OSP	Q-CON	SHR	TCAP	TSC	ZEN
AUCT	CIMBT	EGCO	ILM	MBK	OTO	QH	SIRI	TEAMG	TSR	
AWC	CK	EPG	INTUCH	MC	PAP	QTC	SIS	TFMAMA	TSTE	
AYUD	CKP	ETC	IP	MCOT	PCSGH	RATCH	SITHAI	TGH	TSTH	
BAFS	CM	FPI	IRPC	METCO	PDG	RS	SMK	THANA	TTA	
BANPU	CNT	FPT	ITEL	MFEC	PDJ	S	SMPC	THANI	TTB	
BAY	COM7	FSMART	IVL	MINT	PG	S & J	SNC	THCOM	TTCL	
BBL	COMAN	GBX	JSP	MONO	PHOL	SAAM	SONIC	THG	TTW	
BCP	COTTO	GC	JWD	MOONG	PLANB	SABINA	SPALI	THIP	TU	
VERY GOOD LEVEL – Score range 80-89										
2S	ASIMAR	CHOW	FLOYD	IT	LOXLEY	OCC	RPC	SKY	TCC	TVT
7UP	ASK	CI	FN	ITD	LRH	OGC	RT	SLP	TCMC	TWP
ABICO	ASN	CIG	FNS	J	LST	PATO	RWI	SMIT	TEAM	UEC
ABM	ATP30	CMC	FORTH	JAS	M	PB	S11	SMT	TFG	UMI
ACE	B	COLOR	FSS	JCK	MATCH	PICO	SA	SNP	TFI	UOBKH
ACG	BA	CPL	FTE	JCKH	MBAX	PIMO	SAK	SO	TIGER	UP
ADB	BAM	CPW	FVC	JMART	MEGA	PJW	SALEE	SORKON	TITLE	UPF
AEONTS	BC	CRD	GEL	JMT	META	PL	SAMCO	SPA	TKN	UPOIC
AGE	BCH	CSC	GENCO	KBS	MFC	PM	SANKO	SPC	TKS	UTP
AHC	BEC	CSP	GJS	KCAR	MGT	PMTA	SAPPE	SPCG	TM	VCOM
AIT	BEYOND	CWT	GYT	KEX	MICRO	PPP	SAWAD	SR	TMC	VL
ALL	BFIT	DCC	HEMP	KGI	MILL	PPPM	SCI	SRICHA	TMD	VPO
ALLA	BJC	DCON	HPT	KIAT	MTSIB	PRIME	SCN	SSC	TMI	VRANDA
ALUCON	BJCHI	DHOUSE	HTC	KISS	MK	PRIN	SCP	SSF	TMILL	WGE
AMANAH	BLA	DOD	HYDRO	KOOL	MODERN	PRINC	SE	STANLY	TNL	WIK
AMARIN	BR	DOHOME	ICN	KTIS	MTI	PSG	SFLEX	STGT	TNP	WP
APCO	BROOK	DV8	IFS	KUMWEL	NBC	PSTC	SFP	STOWER	TOG	XO
APCS	CBG	EASON	IMH	KUN	NCAP	PT	SFT	STPI	TPA	XPG
APURE	CEN	EFORL	IND	KWC	NCH	QLT	SGF	SUC	TPAC	YUASA
AQUA	CGH	ERW	INET	KWM	NETBAY	RBF	SIAM	SWC	TPCS	
ASAP	CHARAN	ESSO	INSET	L&E	NEX	RCL	SINGER	SYNEX	TPS	
ASEFA	CHAYO	ESTAR	INSURE	LDC	NINE	RICHY	SKE	TAE	TRITN	
ASIA	CHG	ETE	IRC	LEO	NRF	RML	SKN	TAKUNI	TRT	
ASIAN	CHOTI	FE	IRCP	LHK	NTV	ROJNA	SKR	TBSP	TSE	
GOOD LEVEL – Score range 70-79										
A	BGT	CITY	GIFT	JTS	MDX	PK	SGP	SUPER	TQR	YGG
AI	BH	CMAN	GLOCON	JUBILE	MJD	PLE	SICT	SVOA	TTI	ZIGA
AIE	BIG	CMO	GREEN	KASET	MORE	PPM	SIMAT	TC	TYCN	
AJ	BLAND	CMR	GSC	KCM	MUD	PRAKIT	SISB	TCCC	UKEM	
ALPHAX	BM	CPT	GTB	KK	NC	PRAPAT	SK	THMUI	UMS	
AMC	BROCK	CRANE	HTECH	KKC	NDR	PRECHA	SMART	TNH	UNIQ	
APP	BSBM	CSR	HUMAN	KWI	NFC	PTL	SOLAR	TNR	UPA	
AQ	BSM	D	IHL	KYE	NNCL	RJH	SPACK	TOPP	UREKA	
ARIN	BTNC	EKH	IIG	LEE	NOVA	RP	SPG	TPCH	VIBHA	
AS	BYD	EMC	INGRS	LPH	NPK	RPH	SQ	TPIPL	W	
AU	CAZ	EP	INOX	MATI	NUSA	RSP	SSP	TIPIP	WIN	
B52	CCP	F&D	JAK	M-CHAI	PAF	SABUY	STARK	TPLAS	WORK	
BEAUTY	CGD	FMT	JR	MCS	PF	SF	STC	TPOLY	WPH	

Disclaimer:

The disclosure of the survey results of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive

Sources: Thai Institute of Directors Association (IOD); FSSIA's compilation; data as of 26 October 2021

Anti-corruption Progress Indicator

CERTIFIED										
2S	BCH	CPALL	GC	K	MFC	PE	QLT	SNP	THCOM	TU
7UP	BCP	CPF	GCAP	KASET	MFEC	PG	QTC	SORKON	THIP	TVD
ADVANC	BCPG	CPI	GEL	KBANK	MILL	PHOL	RATCH	SPACK	THRE	TVI
AF	BE8	CPN	GFPT	KBS	MINT	PK	RML	SPALI	THREL	TVO
AI	BEYOND	CSC	GGC	KCAR	MONO	PL	RWI	SPC	TIDLOR	TWPC
AIE	BGC	DCC	GJS	KCE	MOONG	PLANB	S & J	SPI	TIPCO	U
AIRA	BGRIM	DELTA	GPI	KGI	MSC	PLANET	SAAM	SPRC	TISCO	UBE
AKP	BJCHI	DEMCO	GPSC	KKP	MST	PLAT	SABINA	SRICHA	TKS	UBIS
ALPHAX	BKI	DIMET	GSTEEL	KSL	MTC	PM	SAPPE	SSF	TKT	UEC
AMA	BLA	DRT	GUNKUL	KTB	MTI	PPP	SAT	SSP	TMD	UKEM
AMANAHA	BPP	DTAC	HANA	KTC	NBC	PPPM	SC	SSSC	TMILL	UOBKH
AMATA	BROOK	DUSIT	HARN	KWC	NEP	PPS	SCB	SST	TMT	UPF
AMATAV	BRR	EA	HEMP	KWI	NINE	PR9	SCC	STA	TNITY	UV
AP	BSBM	EASTW	HENG	L&E	NKI	PREB	SCCC	STOWER	TNL	VGI
APCS	BTS	ECL	HMPRO	LANNA	NMG	PRG	SCG	SUSCO	TNP	VIH
AQUA	BWG	EGCO	HTC	LH	NNCL	PRINC	SCN	SVI	TNR	WACOAL
ARROW	CEN	EP	ICC	LHFG	NOBLE	PRM	SEAOIL	SYMC	TOG	WHA
AS	CENTEL	EPG	ICHI	LHK	NOK	PROS	SE-ED	SYNTEC	TOP	WHAUP
ASIAN	CFRESH	ERW	IFEC	LPN	NSI	PSH	SELIC	TAE	TOPP	WICE
ASK	CGH	ESTAR	IFS	LRH	NWR	PSL	SENA	TAKUNI	TPA	WIJK
ASP	CHEWA	ETE	ILINK	M	OCC	PSTC	SGP	TASCO	TPP	XO
AWC	CHOTI	FE	INET	MAKRO	OGC	PT	SINGER	TBSP	TRU	ZEN
AYUD	CHOW	FNS	INSURE	MALEE	ORI	PTG	SIRI	TCAP	TRUE	
B	CIG	FPI	INTUCH	MATCH	PAP	PTT	SITHAI	TCMC	TSC	
BAFS	CIMBT	FPT	IRC	MBAX	PATO	PTTEP	SKR	TFG	TSTE	
BAM	CM	FSMART	IRPC	MBK	PB	PTTGC	SMIT	TFI	TSTH	
BANPU	CMC	FSS	ITEL	MC	PCSGH	PYLON	SMK	TFMAMA	TTA	
BAY	COM7	FTE	IVL	MCOT	PDG	Q-CON	SMPC	TGH	TTB	
BBL	COTTO	GBX	JKN	META	PDJ	QH	SNC	THANI	TTCL	
DECLARED										
AJ	CHG	DDD	ETC	JR	MAJOR	NUSA	RS	SSS	TQM	YUASA
ALT	CPL	DHOUSE	FLOYD	JTS	NCAP	NYT	SAK	STECH	TSI	ZIGA
APCO	CPR	DOHOME	GULF	KEX	NCL	OR	SCGP	STGT	VARO	
B52	CPW	ECF	III	KUMWEL	NOVA	PIMO	SCM	TKN	VCOM	
BEC	CRC	EKH	INOX	LDC	NRF	PLE	SIS	TMI	VIBHA	

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

Disclaimer:

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of 26 October 2021) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Sources: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Suwat Sinsadok, CFA, FRM, ERP FSS International Investment Advisory Securities Co., Ltd

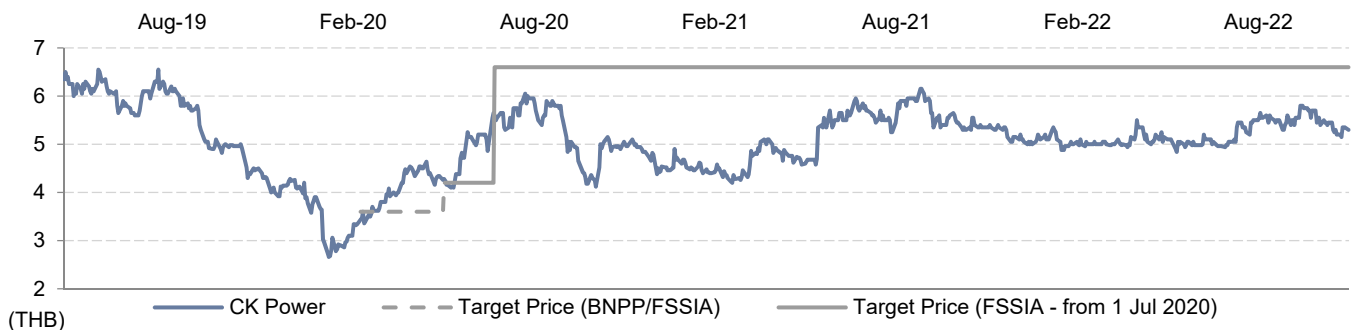
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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History of change in investment rating and/or target price

CK Power (CKP TB)



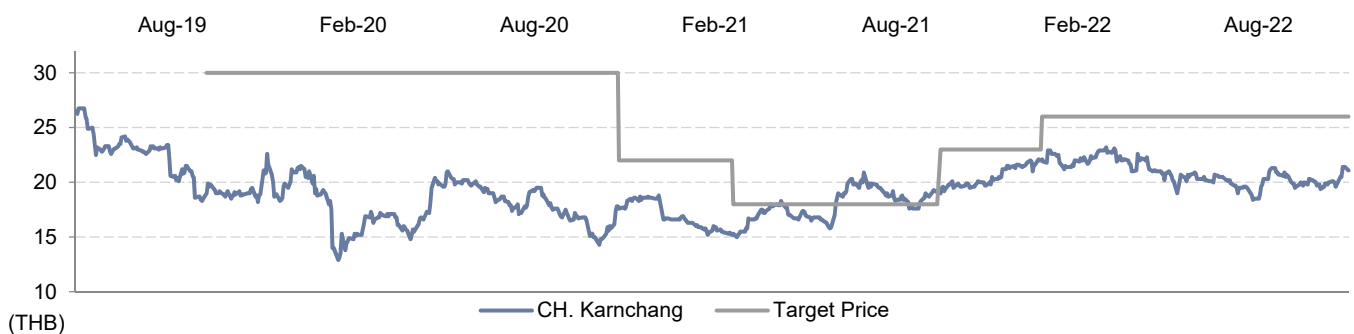
Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
13-Apr-2020	HOLD	3.60	23-Jun-2020	HOLD	4.20	04-Aug-2020	BUY	6.60

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 23-Jun-2020

Price and TP are in local currency

Source: FSSIA estimates

CH. Karnchang (CK TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
25-Nov-2019	BUY	30.00	18-Feb-2021	BUY	18.00	10-Nov-2021	BUY	26.00
12-Nov-2020	BUY	22.00	13-Aug-2021	BUY	23.00			

Songklod Wongchai started covering this stock from 12-Nov-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
CK Power	CKP TB	THB 5.35	BUY	The downside risks to our SoTP-based TP include lower-than-expected demand for electricity in Thailand and lower-than-expected water supply for hydro projects.
CH. Karnchang	CK TB	THB 20.90	BUY	Key downside risks to our SoTP-based TP are delays in new bids, political instability, fluctuations in construction material prices, cost overruns, and the prolonged Covid-19 pandemic.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

FSSIA may incorporate the recommendations and target prices of companies currently covered by FSS Research into equity research reports, denoted by an 'FSS' before the recommendation. FSS Research is part of Finansia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 02-Aug-2022 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.