Industry update Fri, Feb 9, 2018

Utilities

SET ENERG index Close: 8/2/2018
Bloomberg ticker: SET ENERG

26,253.01 -98.73 / 0.37%

Bt16,631mn



Looking for 31% YoY overall growth in 4Q17

2017 was a great year for utilities and we project 42% earnings growth, from the COD of several projects, new overseas investments and better efficiency at existing projects. 4Q17 also looks nice with an expected 31% YoY earnings growth. We estimate sector average yield of 3.0% on 2017 operations. Top pick is WHAUP (Bt8.8 TP) with expected 7% electricity capacity growth with water volume growth plus potential progress in new solar rooftop projects in 2018.

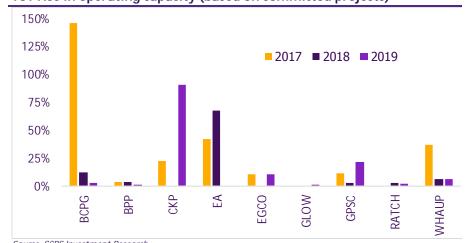
4Q17F: Total earnings to rise 31% YoY, led by CKP, GPSC and BPP. Total core earnings of the 10 utilities stocks under our coverage is projected to grow 31% YoY to Bt10.0bn in 4Q17, spurred by additional projects via operational startup of new power plants and new investment in operating projects especially overseas. The YoY earnings growth leaders are expected to be <u>CKP</u> (up 84% YoY off a low base and new COD of BIC-2 project), followed by <u>GPSC</u> (up 42% YoY from COD of IRPC-CP phase 2 and efficiency improvements of its Small Power Producers (SPP) projects and <u>BPP</u> (41% YoY increase from big improvement of Hongsa Power Plant after operations smoothed in 2Q17). QoQ will fall on seasonality, with a lower Availability Payment (AP) for Independent Power Producers (IPP), the completion of Contract Available Hours (CAH) before year-end and less sun for solar power.

2017F: **earnings to grow by 42%**, **led WHAUP**, **BPP and BCPG**. Total core earnings are projected to grow 42% to Bt45bn in 2017. Leaders are <u>WHAUP</u> (rising by 283% from new COD of 5 SPPs over 4Q16-4Q17, water volume growth with increasing heavy users and group restructure in 1H16), <u>BPP</u> (up 44% from smooth operations at Hongsa and COD of several solar projects in China and Japan with total attributed capacity of 104 MW). We estimate growth in total electricity capacity of power companies under our coverage of 6.0% to 19 GW in 2017), <u>BCPG</u> (increasing 40%, largely from new investments in Indonesia and the Philippines which added 172 attributed MW to operating assets in 2017).

Average dividend yield of 3.0%, led by GLOW, TTW and RATCH. We estimate average sector dividend yield of 3.0% on 2017 operations, led by <u>GLOW</u> (6.9%, DPS estimated at Bt4.219/sh on 2H17 or 5.1% of current price), <u>TTW</u> (4.9%, DPS of Bt0.35/sh on 2H17 or 2.6% of current price) and <u>RATCH</u> (4.4%, paying twice a year with DPS of Bt1.25/sh on 2H17 or 2.3% of current price).

WHAUP is top pick. We believe total attributed capacity of companies under coverage will grow at 3.4% in 2018, led by <u>EA</u> at 64%, <u>BCPG</u> at 11% and <u>WHAUP</u> at 7%. WHAUP, however, is our top sector pick, as it also has the water business as a growth driver plus expected progress in new solar rooftop projects soon while it is trading at only 12x 2018 PE (vs sector average of 22x).

YoY rise in operating capacity (based on committed projects)



Valuation summary

	Rating	Price	TP	ETR	P/E	(x)	P/BV	(x)		
		(Bt)	(Bt)	(%)	18F	19F	18F	19F		
BCPG	Sell	24.9	19.0	(20.9)	18.1	16.4	3.2	2.9		
BPP	Buy	24.9	32.0	31.7	10.8	9.9	1.6	1.5		
CKP	Neutral	4.2	4.0	(2.4)	49.4	36.7	1.7	1.7		
EA	Sell	66.5	27.0	(59.0)	43.0	31.8	12.6	9.3		
EGCO	Buy	217.0	255.0	20.6	10.3	9.7	1.2	1.1		
GLOW	Neutral	83.3	85.0	9.0	14.2	14.6	2.5	2.5		
GPSC	Sell	83.0	52.0	(35.5)	31.0	26.9	3.1	2.9		
RATCH	Buy	54.3	62.0	18.7	10.7	10.6	1.1	1.1		
TTW	Buy	13.4	13.5	6.0	18.4	16.9	4.5	4.5		
WHAUP	Buy	7.1	8.8	26.6	11.9	10.8	1.9	1.7		
Average				(0.5)	21.8	18.4	3.3	2.9		

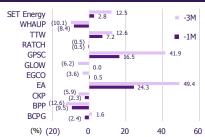
Source: SCBS Investment Research

Price Performance

	A	bsolute		Rela	tive to S	o SET		
(%)	1M	3M	12M	1M	3M	12M		
BCPG	(2.4)	1.6	87.2	(1.9)	(3.1)	65.9		
BPP	(9.5)	(12.6)	n.a.	(9.0)	(16.7)	(11.4)		
CKP	(2.3)	(5.9)	32.5	(1.9)	(10.3)	17.4		
EA	24.3	49.4	170.3	24.9	42.4	139.5		
EGCO	0.5	(3.6)	7.4	0.9	(8.1)	(4.8)		
GLOW	0.0	(6.2)	7.8	0.5	(10.6)	(4.5)		
GPSC	16.5	41.9	125.9	17.0	35.2	100.1		
RATCH	(0.5)	(0.5)	5.9	0.0	(5.1)	(6.2)		
TTW	7.2	12.6	21.8	7.7	7.3	7.9		
WHAUP	(8.4)	(10.1)	n.a.	(7.9)	(14.3)	n.a.		
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Source: SET, SCBS Investment Research

Price performance relative to SET



Source: SET, SCBS Investment Research

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Source: SCBS Investment Research



Figure 1: 4Q1	earnings	preview
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Figure 1: 4Q17 earnir	ngs previe 4Q16	W 3Q17	4Q17F	YoY%	QoQ%	Note
BCPG	4Q10	JQ1/	7/17	10170	ΨυΨ 70	More
Revenue	757	854	814	7.6	(4.6)	- Core profit is projected to jump 39% YoY from 2 new
Gross profit	519	609	574	10.7	(5.7)	investments: Geothermal power plants in Indonesia and a
Operating profit	369	429	399	7.9	(7.2)	wind power project in the Philippines.
EBITDA	574	629	602	4.9	(4.4)	- However, this is a 34% fall QoQ as it recognized all
Core profit	324	680	450	39.1	(33.8)	earnings contributions from the geothermal business over
Net profit	104	514	318	204.5	(38.0)	9M17 in 3Q17 and it was soft seasonality for solar.
Gross margin (%)	69	71	70	1.9	(0.8)	- We expect 2017 core earnings to grow by 40% to Bt2.0bn
Operating margin (%)	49	50	49	0.1	(1.3)	from new earnings contributions from Indonesia and the
Core profit margin (%)	43	80	55	12.5	(24.3)	Philippines.
core prone margin (70)	15	00	33	12.5	(21.5)	
ВРР						
Revenue	1,907	1,399	1,898	(0.5)	35.6	- Core profit is expected to jump 41% YoY to Bt1.1bn led by
Gross profit	643	311	544	(15.5)	75.1	Hongsa Power Plant, for which operations smoothed in
Operating profit	228	-39	252	10.6	(751.3)	2Q17, despite a weaker performance of coal-fired power
EBITDA	401	103	456	13.7	342.8	plants in China (profit-margin pressure from rising coal
Core profit	799	1,275	1,124	40.7	(11.9)	cost).
Net profit	1,094	838	772	(29.4)	(7.8)	- On a QoQ basis, we expect a 12% fall from seasonality.
Gross margin (%)	34	22	29	(5.1)	6.5	 We expect 2017 core earnings to grow by 44% to Bt7.0bn, driven by improving Hongsa and CODs of solar projects in
Operating margin (%)	12	-3	13	1.3	16.1	China and Japan (total capacity of 104 MW).
Core profit margin (%)	42	91	59	17.3	(31.9)	cima and supur (cour capacity or 104 PIVV).
•						
СКР						
Revenue	1,418	2,279	1,792	26.4	(21.4)	- The COD of BIC-2 power plant (SPP) in mid-2017 will lead
Gross profit	400	840	643	61.1	(23.4)	to 84% growth in 4Q17 core earnings YoY to Bt88mn.
Operating profit	291	731	525	80.5	(28.2)	- However, since third quarter is normally the peak season
EBITDA	639	1,135	938	46.7	(17.4)	for Nam Ngum 2 hydropower project in Laos, our 4Q17
Core profit	48	198	88	84.1	(55.3)	earnings projection shows a 55% fall QoQ We expect 2017 core profit to slip by 15% to Bt327mn
Net profit	-177	165	66	(137.6)	(59.7)	from lower water flow in Laos.
Gross margin (%)	28	37	36	7.7	(0.9)	
Operating margin (%)	21	32	29	8.8	(2.8)	
Core profit margin (%)	3	9	5	1.5	(3.8)	
EA	2 270	2.007	2.025	22.2	(2.0)	4017 core carnings are projected to grow 60/ VoV from
Revenue	2,278	3,097	3,035	33.2	, ,	 4Q17 core earnings are projected to grow 6% YoY from the COD of Hadkanghun wind project (126 MW) but fall
Gross profit	1,187	1,475	1,446	21.8	(2.0)	129% YoY from rising SG&A from the preparation of
Operating profit EBITDA	1,112	1,306	1,274 1,737	14.6 21.3	(2.4)	several new projects.
Core profit	1,432 883	1,745 969	935	5.9	(3.5)	- QoQ will show a 4% decline from solar seasonality.
Net profit	830	976	935	12.6	(4.2)	- Full-year core profit is expected to grow by 14% to Bt3.8bn
Gross margin (%)	52.1	47.6	47.6	(4.4)	0.0	on the operational startup of a new wind project but a
Operating margin (%)	48.8	42.2	42.0	(6.8)	(0.2)	significant increase in expenses.
Core profit margin (%)	38.8	31.3	30.8	(8.0)	(0.5)	
core prone margin (70)	30.0	31.3	30.0	(0.0)	(0.5)	
EGCO						
Revenue	6,788	7,928	7,503	10.5	(5.4)	- Core earnings are expected to grow 17% YoY to Bt2.2bn,
Gross profit	2,326	1,654	1,536	(34.0)	(7.1)	on an 8% increase in capacity via the CODs of 3 SPPs with
Operating profit	1,895	1,044	1,014	(46.5)	(2.8)	total attributed capacity of 322 MW in 2017.
EBITDA	2,978	2,347	2,326	(21.9)	(0.9)	- This is down 29% QoQ from seasonality and scheduled
Core profit	1,896	3,102	2,212	16.7	(28.7)	plant maintenance.
Net profit	839	3,517	2,643	215.1	(24.8)	- Full-year core earnings (excluding FX) is expected to grow
Gross margin (%)	34.3	20.9	20.5	(13.8)	(0.4)	20% to Bt10.6bn from the CODs of 3 SPPs in 2017, growing earnings from Khanom plant and full-year revenue
Operating margin (%)	27.9	13.2	13.5	(14.4)	0.4	from the wind project that started up in Dec 2016.
Core profit margin (%)	27.9	39.1	29.5	1.6	(9.6)	nom the wind project that started up in Dec 2010.
GLOW (result)						
Revenue	12,017	13,225	12,567	4.6	(5.0)	- GLOW reported results with a 4Q17 core profit growth of
Gross profit	2,580	3,556	2,999	16.2	(15.7)	18% YoY from the low base in 4Q16 when there was an
Operating profit	2,127	3,381	2,673	25.7	(20.9)	unscheduled outage at GHECO-1 requiring equipment
EBITDA	3,281	4,488	3,741	14.0	(16.7)	Write-off.
Core profit	1,475	2,218	1,742	18.1	(21.5)	QoQ showed a seasonal fall of 22%.2017 core profit declined by 11% to Bt7.8bn from the
Net profit	1,203	2,411	1,938	61.1	(19.6)	expiration of two power purchase agreements (PPAs) for
Gross margin (%)	21.5	26.9	23.9	2.4	(3.0)	SPP Phase 2 (with around 10% of total capacity) and a
Operating margin (%)	17.7	25.6	21.3	3.6	(4.3)	five-week scheduled maintenance of GHECO-1 in 1Q17.
Core profit margin (%)	12.3	16.8	13.9	1.6	(2.9)	

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Btmn	4Q16	3Q17	4Q17F	YoY%	QoQ%	Note
GPSC						
Revenue	4,461	4,243	4,703	5.4	10.8	- Core earnings are projected to grow 42% from the COD of
Gross profit	746	876	934	25.3	6.6	BIC-2 and IRPC-CP phase 2 and steadily improving
Operating profit	411	698	696	69.2	(0.4)	efficiency of SPP projects.
EBITDA	813	1,246	1,179	45.0	(5.4)	- This is, however, 21% below the previous quarter mainly
Core profit	512	921	726	41.8	(21.2)	for seasonal reasons: 1) QoQ lower weight factor of the
Net profit	419	888	632	51.0	(28.8)	Availability Payment (AP) for IPP and 2) no dividend
Gross margin (%)	16.7	20.6	19.9	3.1	(0.8)	
Operating margin (%)	9.2	16.5	14.8	5.6	(1.7)	thanks to SPP projects with 2 new CODs and significant
Core profit margin (%)	11.5	21.7	15.4	4.0	(6.3)	
RATCH						
Revenue	10,800	11,145	10,070	(6.8)	(9.6)	- Core profit is expected to improve 6% YoY to B1.54bn after
Gross profit	1,496	1,503	1,364	(8.8)	(9.3)	Hongsa Power Plant began running smoothly in 2Q17.
Operating profit	1,091	1,106	903	(17.3)	(18.4)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
EBITDA	1,567	1,519	1,291	(17.6)	(15.0)	with declining weight factor in the Availability Daymont
Core profit	1,454	1,885	1,541	6.0	(18.2)	(AD) for 100c
Net profit	2,964	1,861	1,541	(48.0)	(17.2)	- 2017 core earnings are projected to grow 19% to Bt7.1bn,
	13.8	13.5	13.5	(0.3)	0.1	driven by big operational improvement at Hongsa Power
Gross margin (%)	10.1	9.9	9.0			Plant.
Operating margin (%)				(1.1)	(1.0)	
Core profit margin (%)	13.5	16.9	15.3	1.8	(1.6)	
WHAUP						
Revenue	482	406	489	1.4		- Core earnings are projected to turn from a core loss in
Gross profit	194	130	188	(2.7)	45.1	4Q16 (when GHECO-1 had an incident) to Bt466mn core
Operating profit	161	101	144	(10.6)	42.7	earnings, with support from the COD of 4 SPPs in 2017.
EBITDA	242	158	174	(28.0)	10.1	- This is up 3% QoQ from 1) increasing water revenue from
Core profit	-138	450	466	n/a	3.4	more heavy users (SPPs), 2) COD of 2 SPP in Sep and Nov 2017.
Net profit	-138	450	466	n/a	3.4	- 2017 core earnings are expected to grow 283% to Bt1.4bn
Gross margin (%)	40.1	32.0	38.5	(1.6)	6.5	from 5 new plants over 4Q16-4Q17, water volume growth
Operating margin (%)	33.4	24.9	29.5	(3.9)	4.6	and group restructure in 1H16. We lower net profit
Core profit margin (%)	-28.6	110.8	95.2	123.8	(15.6)	
TTW						
Revenue	1,329	1,433	1,440	8.4	0.5	- Strong growth YoY is spurred by volume growth of 7.8%,
Gross profit	978	1,032	1,038	6.2	0.6	tariff hike (1% at TTW. 0.4% at PTW and 6.5% at Bangpa-
Operating profit	857	910	915	6.8	0.6	
EBITDA	1,072	1,211	1,217	13.6	0.5	turnaround to a net profit of Bt17mn versus a net loss of
Core profit	571	735	715	25.1	(2.7)	Bt45mn in 4Q16.
Net profit	571	735	715	n/a	(2.7)	- Small dip QoQ is due to seasonally lower equity income
Gross margin (%)	73.6	72.0	72.1	(1.5)	0.0	from CKP.
Operating margin (%)	64.5	63.5	63.5	(0.9)	0.1	recting our forecast will bring flet profit to bt2.7 bir for
Core profit margin (%)	43.0	51.3	49.7	6.7	(1.6)	2017, in line with our forecast.
Core profit summary	22.4		450	20.4	(22.6)	115 1 - 11
BCPG	324	680	450	39.1	. ,	Higher than average (YoY)
BPP	799	1,275	1,124	40.7		Higher than average (YoY)
CKP	48	198	88	84.1	,	Higher than average (YoY)
EA	883	969	935	5.9	(3.5)	
EGCO	1,896	3,102	2,212	16.7	(28.7)	
GLOW	1,475	2,218	1,742	18.1	(21.5)	
GPSC	512	921	726	41.8	. ,	Higher than average (YoY)
RATCH	1,454	1,885	1,541	6.0	(18.2)	
WHAUP	-138	450	466	n/a	3.4	
TTW	571	735	715	25.1	(2.7)	
Total	7,824	12,434	9,999	30.8	(19.3)	

Source: SCBS Investment Research

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Figure 2: Valuation summary (price as of Feb 8, 2018)

	Rating	Price	Target	ETR	P,	/E (x)	EPS gr	EPS growth (%)		P/BV (x)		ROE (%)			Div. \	ield (%)	EV/EBITDA (x)			
		(Bt/Sh)	(Bt/Sh)	(%)	17F	18F	19F	17F	18F	19F	17F	18F	19F	17F	18F 1	L9F	17F	18F	19F	17F	18F	19F
BCPG	Sell	24.90	19.0	(20.9)	25.2	18.1	16.4	40	39	10	3.6	3.2	2.9	14	19	19	2.6	2.8	3.2	26.7	20.4	17.0
BPP	Buy	24.90	32.0	31.7	12.8	10.8	9.9	44	18	10	1.9	1.6	1.5	15	16	16	2.4	3.2	4.0	53.3	33.4	31.4
CKP	Neutral	4.16	4.0	(2.4)	93.7	49.4	36.7	(15)	90	34	1.8	1.7	1.7	2	4	5	1.4	1.4	1.4	16.2	13.9	13.5
EA	Sell	66.50	27.0	(59.0)	64.9	43.0	31.8	14	51	35	16.9	12.6	9.3	29	34	34	0.3	0.4	0.5	41.2	30.8	23.2
EGCO	Buy	217.00	255.0	20.6	10.7	10.3	9.7	24	5	5	1.3	1.2	1.1	12	12	11	3.1	3.1	3.1	21.9	20.8	19.8
GLOW	Neutral	83.25	85.0	9.0	15.6	14.2	14.6	(11)	10	(3)	2.5	2.5	2.5	16	17	17	6.9	6.9	6.9	9.0	8.7	8.7
GPSC	Sell	83.00	52.0	(35.5)	39.6	31.0	26.9	16	28	15	3.2	3.1	2.9	8	10	11	1.5	1.8	1.9	28.0	22.9	21.3
RATCH	Buy	54.25	62.0	18.7	11.2	10.7	10.6	19	5	1	1.2	1.1	1.1	11	11	10	4.4	4.4	4.4	14.5	14.2	15.7
TTW	Buy	13.40	13.5	6.0	19.7	18.4	16.9	10	7	9	4.6	4.5	4.5	23	25	27	4.9	5.2	5.9	12.3	11.9	11.2
WHAUP	Buy	7.10	8.8	26.6	16.1	11.9	10.8	283	35	11	2.1	1.9	1.7	17	17	16	2.5	3.4	3.7	34.2	35.8	30.4
Average					31.0	21.8	18.4	43	29	13	3.9	3.3	2.9	15	16	17	3.0	3.3	3.5	25.7	21.3	19.2

Source: SCBS Investment Research

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CG Rating 2017 Companies with CG Rating

ADVANC, AKP, ANAN, AOT, AP, BAFS, BANPU, BAY, BCP, BIGC, BTS, BWG, CFRESH, CHO, CK, CNT, CPF, CPN, CSL, DELTA, DEMCO, DRT, DTAC, DTC, EASTW, EGCO, GC, GCAP, GFPT, GOLD, GPSC, GRAMMY, GUNKUL, HANA, HMPRO, ICC, ICHI, INTUCH, IRPC, IVL, JSP, KBANK, KCE, KKP, KTB, KTC, LHBANK, LPN, MBK, MCOT, MINT, MONO, NCH, NKI, NYT, OTO, PHOL, PLANB, PPS, PDJ, PRG, PSH, PSL, PTG, PTT*, PTTEP*, PTTGC, PYLON, Q-CON, QH, QTC, RATCH, ROBINS, SAMART, SAMTEL, SAT, SC, SCB, SCC, SCCC, SE-ED, SIM, SIS, SITHAI, SNC, SPALI, SPRC, SSSC, STEC, SVI, SYNTEC, TCAP, THANA, THCOM, THREL, TISCO, TKT, TMB, TNDT, TOP, TRC, TRUE, TSC, TTCL, TU, TVD, UV, VGI, WACOAL, WAVE

2S, AAV, ACAP, AGE, AH, AHC, AIRA, AIT, ALT, AMANAH, AMATA, AMATAV, APCO, ARIP, ASIA, ASIMAR, ASK, ASP, AUCT, AYUD, BBL, BCPG, BDMS, BEC, BEM, BFIT, BJC, BJCHI, BLA, BOL, BROOK, BRR, BTW, CEN, CENTEL, CGH, CHARAN, CHEWA, CHG, CHOW, CI, CIG, CIMBT, CKP, CM, CNS, COL, COM7, CPI, CSC, CSP, CSS, DCC, EA, EASON, ECF, ECL, EE, EPG, ERW, FN, FNS, FORTH, FPI, FSMART, FVC, GBX, GEL, GLOBAL, GLOW, HARN, HOTPOT, HYDRO, ILINK, INET, IRC, IT, ITD, JWD, K, KGI, KKC, KOOL, KSL, KTIS, L&E, LALIN, LANNA, LH, LHK, LIT, LOXLEY, LRH, LST, M, MACO, MAJOR, MAKRO, MALEE, MBKET, MC, MEGA, MFC, MFEC, MOONG, MSC, MTI, MTLS, NOBLE, NOK, NSI, NTV, NWR, OCC, OGC, OISHI, ORI, PAP, PATO, PB, PCSGH, PDI, PE, PG, PJW, PLANET, PLAT, PM, PPP, PR, PREB, PRINC, PT, RICHY, RML, RS, RWI, S, S & J, SABINA, SALEE, SAMCO, SAWAD, SCG, SCI, SCN, SEAFCO, SEAOIL, SENA, SFP, SIAM, SINGER, SIRI, SMK, SMPC, SMT, SNP, SORKON, SPC, SPI, SPPT, SR, SSF, SST, STA, STPI, SUC, SUSCO, SUTHA, SWC, SYMEX, TAE, TAKUNI, TASCO, TBSP, TCC, TEAM, TF, TFG, TGCI, THAI*, THANI, THIP, THRE, TICON, TIPCO, TIW, TK, TKN, TKS, TMC, TMI, TMILL, TMT, TNITY, TNL, TOG, TPAC, TPCORP, TRT, TRU, TSE, TSR, TSTE, TSTH, TTA, TTW, TVI, TVO, TWP, TWPC, IL LIAC, LIMIT, LIP, LIPCE, LINC, VIH, NAT, WITCE, WINNER, XO, VIJASA, ZMICO. TTW, TVI, TVO, TWP, TWPC, U, UAC, UMI, UP, UPF, UPOIC, UWC, VIH, VNT, WICE, WINNER, XO, YUASA, ZMICO

AEC, AEONTS, AF, AJ, AKR, ALLA, ALUCON, AMA, AMARIN, AMC, APURE, AQUA, ARROW, AS, ASEFA, ASIAN, ASN, ATP30, AU, BA, BCH, BEAUTY, BH, BIG, BIZ, BLAND, BPP, BR, BROCK, BTC, BTNC, CBG, CCET, CCP, CGD, CITY, CMR, COLOR, COMAN, CPL, CSR, CTW, CWT, DCON, DIGI, DNA, EFORL, EKH, EPCO, ESSO, ETE, FE, FER, FOCUS, FSS, GENCO, GIFT, GJS, GLAND, GSTEL, GTB, GYT, HPT, HTC, HTECH, IFS, IHL, INSURE, IRCP, J, JMART, JMT, JUBILE, KASET, KBS, KCAR, KIAT, KWC, KYE, LDC, LEE, LPH, MATCH, MATI, M-CHAI, MDX, METCO, MGT, MILL, MJD, MK, MODERN, MPG, NC, NCL, NDR, NEP, NETBAY, NPK, NPP, NUSA, OCEAN, PDG, PF, PICO, PIMO, PK, PL, PLÉ, PMTA, PRECHA, PRÍN, PSTĆ, QLT, RCI, RCI, RJH, ROJNA, RPC, S11, SANKÓ, SAPPE, SCP, SE, SGP, SKR, SKY, SLP, SMIT, SOLAR, SPA, SPCG, SPG, SPVI, SQ, SRICHA, SSC, STANLY, SUPER, SVOA, T, TACC, TCCC, TCMC, TFD, TIC, TLUXE, TM, TMD, TNP, TNR, TOPP, TPA, TPBI, TPCH, TPIPL, TPOLY, TPP, TRITN, TTI, TVT, TYCN, UOBKH, UPA, UREKA, UT, VIBHA, VPO, VTE, WIIK, WIN

Corporate Governance Report

The disclosure of the survey result 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 base 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 result may be changed after that date. SCB Securities Company Limited does not conform nor certify the accuracy of such survey result.

BIGC was voluntarily delisted from the Stock Exchange of Thailand effectively on September 28, 2017

* บริษัทหรือกรรมการหรือผู้บริหารของบริษัทที่มีข่าวด้านการกำกับดูแลกิจการ เช่น การกระทำผิดเกี่ยวกับหลักทรัพย์ การทุจริต คอร์รัปซัน เป็นต้น ซึ่งการใช้ข้อมูล CGR ควรตระหนักถึง ข่าวดังกล่าวประกอบด้วย

Anti-corruption Progress Indicator

Certified (ได้รับการรับรอง)

ADVANC, AKP, AMANAH, AP, ASK, ASP, AYUD, BAFS, BANPU, BAY, BBL, BCH, BCP, BCPG, BKI, BLA, BROOK, BTS, BWG, CENTEL, CFRESH, CIMBT, CM, CNS, CPALL, CPF, CPI, CPN, CSC, CSL, DCC, DEMCO, DIMET, DRT, DTAC, DTC, EASTW, ECL, EGCO, FE, FNS, FSS, GBX, GC, GCAP, GEL, GFPT, GLOW, GOLD, GUNKUL, HANA, HMPRO, HTC, ICC, IFEC, IFS, INTUCH, IRPC, IVL, K, KASET, KBANK, KBS, KCE, KGI, KKP, KSL, KTB, KTC, LANNA, LHBANK, LHK, LPN, M, MBK, MBKET, MC, MCOT, MFC, MINT, MONO, MOONG, MSC, MTI, NBC, NINE, NKI, NMG, NSI, OCC, OCEAN, OGC, PB, PCSGH, PDI, PDJ, PE, PG, PHOL, PLAT, PM, PPP, PPS, PREB, PRG, PSH, PSL, PT, PTG, PTT, PTTEP, PTTGC, Q-CON, QH, QLT, RATCH, RML, ROBINS, S & J, SABINA, SAT, SCB, SCC, SCG, SCN, SE-ED, SENA, SGP, SINGER, SIS, SITHAI, SMIT, SMPC, SNC, SNP, SORKON, SPACK, SPC, SPI, SPRC, SSF, SSI, SSSC, SUSCO, SVI, SYNTEC, TAE, TASCO, TCAP, TCMC, TFG, TFI, TFMAMA, TGCI, THANI, THCOM, THRE, THREL, TICON, TIP, TIPCO, TISCO, TKT, TMB, TMD, TMT, TNITY, TNL, TOG, TOP, TPA, TPCORP, TRU, TRUE, TSC, TSTH, TTCL, TVD, TVI, U, UOBKH, VGI, VNT, WACOAL, WHA, WICE

Declared (ประกาศเจตนารมณ์)

A, AIE, AJ, AMATAV, AOT, APCÓ, ARROW, ASIAN, BJCHI, BLAND, BLISS, BR, BRR, BTC, BUI, CEN, CGH, CHEWA, CHG, CHO, CHOTI, CI, CIG, COM7, CPR, EKH, EPCO, FN, FSMART, FTE, GGC, GJS, GPI, GPSC, GSTEL, HARN, ILINK, INET, ITEL, JAS, JTS, JUBILE, KTECH, KWC, KWG, L&E, LDC, LEE, LIT, LRH, MAKRO, MALEE, MATCH, MATI, MFEC, MILL, MTLS, NCL, NEP, NNCL, NUSA, NWR, PACE, PAP, PATO, PDG, PIMO, PK, PL, PLANB, PLANET, POST, PRINC, PRM, PRO, PSTC, PYLON, QTC, ROJNA, RWI, SAUCE, SC, SCI, SELIC, SIRI, SMK, SPPT, SRICHA, SST, STA, SUPER, SWC, SYMC, TAKUNI, THE, THIP, TKN, TLUXE, TMC, TMILL, TNP, TNR, TOPP, TRITN, TTI, TU, TVT, TWPC, UBIS, UPA, UWC, VIBHA, VIH, WAVE

N/A

2S, AAV, ABICO, ACAP, ACC, ADAM, ADB, AEC, AEONTS, AF, AFC, AGE, AH, AHC, AI, AIRA, AIT, AJA, AKR, ALLA, ALT, ALUCON, AMA, AMARIN, AMATA, AMC, ANAN, APCS, APEX, APURE, AQ, AQUA, ARIP, AS, ASAP, ASEFA, ASIA, ASIMAR, ASN, ATP30, AU, AUCT, BA, BAT-3K, BDMS, BEAUTY, BEC, BEM, BFIT, BGRIM, BGT, BH, BIG, BIZ, BKD, BM, BOL, BPP, BROCK, BSBM, BSM, BTNC, BTW, CBG, CCET, CCP, CGD, CHARAN, CHOW, CHUO, CITY, CK, CKP, CMO, CMR, CNT, COL, COLOR, COMAN, CPH, CPL, CPT, CRANE, CRD, CSP, CSR, CSS, CTW, CWT, D, DCON, DCORP, DDD, DELTA, DIGI, DNA, DTCI, EA, EARTH, EASON, ECF, EE, EFORL, EIC, EMC, EPG, ERW, ESSO, ESTAR, ETE, EVER, FBD, FANCY, FC, FER, FLOYD, FMT, FOCUS, FORTH, FPI, FVC, GENCO, GIFT, GL, GLAND, GLOBAL, GRAMMY, GRAND, GREEN, GTB, GULF, GYT, HFT, HOTPOT, HPT, HTECH, HUMAN, HYDRO, ICHI, ICN, IEC, IHL, III, INGRS, INOX, INSURE, IRC, IRCP, IT, ITD, J, JCT, JKN, JMART, JMT, JSP, JUTHA, JWD, KAMART, KC, KCAR, KCM, KDH, KIAT, KKC, KOOL, KTIS, KYE, LALIN, LH, LOXLEY, LPH, LST, LTX, LVT, MACO, MAJOR, MANRIN, MAX, MBAX, M-CHAI, MCS, MDX, MEGA, METCO, MGT, MIDA, MJD, MK, ML, MM, MODERN, MPG, MPIC, NC, NCH, NDR, NETBAY, NEW, NEWS, NFC, NOBLE, NOK, NPK, MBAX, M-CHAI, MCS, MDX, MEGA, METCO, MGT, MIDA, MJD, MK, ML, MM, MODERN, MPG, MPIC, NC, NCH, NDR, NETBAY, NEW, NEWS, NFC, NOBLE, NOK, NPK, NPP, NTV, NVD, NYT, OHTL, OISHI, ORI, OTO, PAE, PAF, PERM, PF, PICO, PJW, PLE, PMTA, POLAR, POMPUI, PORT, PPM, PRAKIT, PRECHA, PRIN, PTL, RAM, RCI, RCL, RICHY, RJH, ROCK, ROH, RP, RPC, RPH, RS, RSP, S, S11, SAFARI, SALEE, SAM, SAMART, SAMCO, SAMTEL, SANKO, SAPPE, SAWAD, SAWANG, SCP, SDC, SE, SEAFCO, SEAOIL, SF, SFP, SGF, SHANG, SIAM, SIMAT, SKE, SKN, SKR, SKY, SLP, SMART, SMM, SMT, SOLAR, SPA, SPALI, SPCG, SPG, SPORT, SPVI, SQ, SR, SSC, SSP, STANLY, STAR, STEC, STHAI, STPI, SUC, SUN, SUTHA, SVH, SVOA, SYNEX, T, TACC, TAPAC, TBSP, TC, TCB, TCC, TCCC, TCJ, TCOAT, TEAM, TFD, TGPRO, TH, THAI, THANA, THG, THL, THMUI, TIC, TITLE, TIW, TK, TKS, TM, TMI, TMW, TNDT, TNH, TNPC, TOA, TPAC, TPBI, TPCH, TPIPL, TPIPP, TPOLY, TPP, TR, TRC, TRT, TRUBB, TSE, TSF, TSI, TSR, TSTE, TTA, TTL, TTTM, TTW, TUCC, TVO, TWP, TWZ, TYCN, UAC, UEC, UKEM, UMI, UMS, UNIQ, UP, UPF, UPOIC, UREKA, UT, UTP, UV, UVAN, VARO, VCOM, VI, VNG, VPO, VTE, WG, WHAUP, WIIK, WIN, WINNER, WORK, WORLD, WP, WPH, WR, XO, YCI, YNP, YUASA, ZIGA, 7MICO ZMICO

Explanations

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of February 1, 2018) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.

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