



M&A Rumour and Activity

The Australian market finished the week 1.09% lower with the S&P / ASX 100 ending at 4512 points, following a broad sell-off of shares triggered by the reversal of the mining rally. The Australian dollar increased 0.4% for the week to end at USD74.60 cents, remaining relatively steady despite an OPEC deal to limit oil production (which boosted crude oil prices), and renewed selling in bonds as higher oil prices increased expectations for a higher global inflation.

The Australian Financial Review reported on 1 December 2016 that the state government of Western Australia is planning to launch the float of 51% of Western Power, the entity that manages the physical electricity distribution network, which is estimated to generate up to \$11 billion in proceeds to the state government.

The Australian reported on 1 December 2016 that the anticipated IPO of TPG Capital's **Alinta Energy** could be derailed by the planned float of Western Power by Western Australia's government.

The Australian Financial Review reported on 1 December 2016 that potential buyers of a 50.4% stake in Endeavour Energy were told that no individual foreign party will be allowed to buy more than half of the 50.4% stake being sold by the government of New South Wales.

Global news

SeeNews Renewable reported on 30 November 2016 that German hydro-focused renewable energy supplier **LichBlick SE** has hired an advisor to help it explore strategic options, and has discussed a possible sale with Italy's **Enel SpA (BIT: ENEL)**. LickBlick was speculated to have a valuation of up to €500 million (\$714 million).

UK-based subsea cable installation company **Global Marine Systems Ltd** said on 1 December 2016 that it has taken full control of offshore wind services provider **CWind Ltd** following the purchase of the remaining minority stake in the company, less than a year after buying a majority stake in the firm.

SeeNews Renewable reported on 30 November 2016 that German wind farm developer **PNE Wind AG (ETR: PNE3)** is in advanced negotiations to sell an 80% stake in a portfolio of 142.5 MW of operating plants to a unit of Allianz Renewable Energy Fund II.

News Headlines and Key Sector Developments

The Western Australia state government, through state-owned Western Power and Horizon Power, has committed \$10 million to install a renewable energy powered microgrid in Kalbarri, which will integrate a commercial solar system, a 1.7MW wind farm, and a 2MWh battery system.

The Australian Renewable Energy Agency (ARENA) said on 2 December 2016 that it has signed an agreement to commit \$8.9 million in funding toward **Genex Power Limited (GNX.AX)**'s \$126 million Kidston Solar Project in Queensland. This is the first project from the twelve projects shortlisted under ARENA's recent large-scale solar competitive round to formally receive the commitment of a funding from ARENA.

Ticker	News/Event	Ticker	News/Event
ORG.AX	Announced a number of changes to the membership and structure of the company's leadership team, with a executive search for the role of CFO underway	TPW.NZ	Appointed Fiona Smith as General Manager Customer Operations and Craig Neustroski as General Manager Markets
SOLA.L^K10	Announced its unaudited financial results for the third quarter ended 30 September 2016. Revenue was USD187 million compared with guidance of approximately USD200 million. Net loss was USD20.5 million compared with net income of USD5.5 million in Q2 2016 and USD8.6 million in Q3 2015.		

Source: Thomson Reuters, Company Announcements, LCC research



IMPORTANT DISCLAIMER

This report has been prepared by LCC Asia Pacific Pty. Limited ("LCC"). The research is based on information obtained from sources believed to be accurate and reliable. LCC does not guarantee the accuracy, reliability, completeness or suitability of any such information and makes no warranty, guarantee or representation, expressly or impliedly about this research. LCC accepts no obligation to correct or update the information. No opinion or recommendation is made within this research. This report is not intended to be, nor should it be relied on, as a substitute for professional advice. This report should not be relied upon as the sole basis for any investment decision or planning, and LCC does not accept any responsibility on this basis for actions made.



Ticker	Company Name	Australian Activities	Market Cap (A\$ m)	Open Price	Close Price	Week High	Week Low	Weekly change (%)	Volume Trend	EV/ EBITDA	EV/ EBIT
AGL.AX	AGL Energy	Wind PD, O, OP; Solar R, C, PD, O, OP	14,066	20.91	21.03	21.25	20.45	▲ 0.6%	▬▬▬▬	10.2x	14.4x
APA.AX	APA Group	Wind O, OP	8,714	7.93	7.82	8.06	7.73	▼ (1.1%)	▬▬▬▬	13.9x	23.0x
CSR.AX	CSR Ltd	Solar R, C	2,194	4.00	4.35	4.41	3.99	▲ 8.5%	▬▬▬▬	6.3x	8.2x
IFN.AX	Infigen Energy Ltd	Wind PD, O, OP; Solar PD	687	0.86	0.89	0.93	0.86	▲ 1.1%	▬▬▬▬	10.7x	18.8x
ORG.AX	Origin Energy Ltd	Wind O, OP; Solar R, C	11,388	6.04	6.49	6.60	5.91	▲ 6.9%	▬▬▬▬	14.3x	24.6x
RFX.AX	RedFlow Ltd	Battery OEM	110	0.32	0.28	0.33	0.27	▼ (9.7%)	▬▬▬▬	n.m.	n.m.
TRE.AX	Tilt Renewables Ltd	Wind PD, O, OP; Solar PD	562	NULL	NULL	0.00	0.00	▲ -	▬▬▬▬	n.m.	n.m.
BOSH.BO	Bosch Ltd	Battery OEM	12,247	369.02	400.66	408.21	369.02	▲ 8.1%	▬▬▬▬	32.2x	40.8x
SUZL.BO	Suzlon Energy Ltd	Wind OEM, DB	1,451	0.29	0.29	0.30	0.28	▲ 0.6%	▬▬▬▬	12.6x	17.0x
ABG.MC	Abengoa SA	CST OEM, PD, DB	290	0.71	0.68	0.71	0.67	▼ (1.7%)	▬▬▬▬	n.m.	n.m.
ENOR.MC	Elecnor SA	Wind PD, DB; Solar PD, DB	1,070	12.49	12.31	12.83	12.17	▼ (2.3%)	▬▬▬▬	10.0x	16.4x
GAM.MC	Gamesa	Wind OEM	7,582	27.10	27.18	28.27	26.96	▲ 0.1%	▬▬▬▬	8.5x	11.9x
GAS.MC	Gas Natural SDG SA	Wind D	23,172	23.06	23.18	23.51	22.81	▼ (0.3%)	▬▬▬▬	7.8x	12.4x
VWS.CO	Vestas Wind Systems A/S	Wind PD	18,620	90.26	84.07	91.41	84.07	▼ (6.5%)	▬▬▬▬	6.8x	8.2x
SIEGn.DE	Siemens AG	Wind OEM, DB	128,626	151.48	151.32	153.50	149.18	▼ (1.0%)	▬▬▬▬	11.1x	15.2x
S92G.DE	SMA Solar Technology AG	Solar Inverter OEM	1,076	32.99	31.02	33.45	30.75	▼ (6.6%)	▬▬▬▬	2.5x	4.4x
ALSO.PA	Alstom SA	Wind OEM, DB	7,988	37.60	36.45	37.72	36.13	▼ (3.8%)	▬▬▬▬	7.3x	14.7x
AREVA.PA	Areva SA	CST OEM, PD, DB	2,487	6.53	6.49	6.59	6.40	▼ (0.8%)	▬▬▬▬	15.5x	n.m.
ENGIE.PA	Engie SA	Wind O, OP	40,178	16.43	16.50	16.86	16.35	▲ 0.3%	▬▬▬▬	3.1x	10.6x
MALA.KL	Malakoff Corporation Bhd	Wind I	1,953	0.41	0.39	0.42	0.39	▼ (5.4%)	▬▬▬▬	7.5x	15.3x
005930.KS	Samsung Electronics Co Ltd	Battery OEM	311,322	1884.19	1984.90	2026.56	1872.77	▲ 5.0%	▬▬▬▬	4.4x	7.9x
051910.KS	LG Chem Ltd	Battery OEM	17,633	254.65	266.07	268.37	253.51	▲ 4.4%	▬▬▬▬	4.9x	8.4x
JLG.L	John Laing Group PLC	Wind I	1,720	4.61	4.69	4.76	4.50	▲ 1.8%	▬▬▬▬	5.9x	6.0x
ENPH.O	Enphase Energy Inc	Solar Inverter OEM	95	1.47	1.53	1.54	1.46	▼ (0.4%)	▬▬▬▬	n.m.	n.m.
CSIQ.O	Canadian Solar Inc	Solar Panel OEM, R, C, PD	852	15.47	14.84	15.78	14.77	▼ (4.8%)	▬▬▬▬	12.6x	12.6x
FSLR.O	First Solar Inc	Solar Panel OEM, DB	4,200	41.06	40.42	42.08	39.78	▼ (1.9%)	▬▬▬▬	2.5x	3.8x
HQCL.O	Hanwha Q Cells Co Ltd	Solar Panel OEM	881	12.54	10.59	12.64	10.39	▼ (15.9%)	▬▬▬▬	6.0x	9.4x
SPWR.O	SunPower Corp	Solar Panel OEM, R, C, DB	1,232	9.32	8.90	9.61	8.71	▼ (5.9%)	▬▬▬▬	n.m.	n.m.
TSLA.O	Tesla Motors Inc	Battery OEM	39,186	261.37	243.26	266.55	241.29	▼ (8.1%)	▬▬▬▬	280.5x	n.m.
DQ.N	Daqo New Energy Corp	Solar Panel OEM	279	29.36	26.70	29.36	26.14	▼ (9.2%)	▬▬▬▬	4.5x	7.0x
GE.N	General Electric Co	Wind OEM, DB, I	371,643	41.88	42.01	42.43	41.30	▼ (0.7%)	▬▬▬▬	27.4x	50.8x
JKS.N	JinkoSolar Holding Co Ltd	Solar Panel OEM	605	18.93	19.14	19.42	18.13	▲ 0.9%	▬▬▬▬	8.6x	8.6x
SOL.N	ReneSola Ltd	Solar Panel OEM	94	1.03	0.93	1.06	0.88	▼ (11.0%)	▬▬▬▬	5.5x	15.1x
TSL.N	Trina Solar Ltd	Solar Panel OEM	1,166	13.37	12.61	13.37	11.76	▼ (6.5%)	▬▬▬▬	9.4x	9.4x
YGE.N	Yingli Green Energy Ltd	Solar Panel OEM	74	4.45	4.09	4.54	4.06	▼ (10.9%)	▬▬▬▬	183.4x	n.m.
MEL.NZ	Meridian Energy Ltd	Wind PD, O, OP	6,207	2.43	2.44	2.51	2.41	▲ 0.6%	▬▬▬▬	12.1x	19.2x
TPW.NZ	TrustPower Ltd	Wind PD, O, OP	1,296	4.25	4.16	4.27	4.15	▼ (2.1%)	▬▬▬▬	n.m.	n.m.
1088.HK	China Shenhua Energy Co Ltd	Wind I	64,447	2.81	2.77	2.90	2.74	▼ (1.9%)	▬▬▬▬	10.9x	10.9x
1165.HK	Shunfeng International Ltd	Solar Panel OEM	500	0.12	0.12	0.12	0.11	▼ (0.4%)	▬▬▬▬	8.1x	18.1x
1211.HK	BYD Co Ltd	Battery OEM	26,506	7.93	7.84	8.23	7.75	▼ (1.3%)	▬▬▬▬	14.3x	28.1x
0002.HK	CLP Holdings Ltd	Wind PD, O, OP	32,142	12.87	12.72	13.34	12.70	▼ (1.3%)	▬▬▬▬	11.8x	17.5x
0579.HK	Beijing Jingneng Clean Energy	Wind O, OP	2,850	0.41	0.41	0.42	0.41	▲ 1.3%	▬▬▬▬	6.7x	10.2x
RATCH.BK	Ratchaburi Electricity PCL	Wind PD, I; Solar PD, I	2,724	1.89	1.88	1.92	1.87	▼ (0.3%)	▬▬▬▬	15.9x	20.3x
ABBN.S	ABB Ltd	Solar Inverter OEM, DB	61,227	27.54	27.63	27.86	27.16	▼ (0.6%)	▬▬▬▬	9.8x	12.8x
002202.SZ	Xinjiang Goldwind S&T Co Ltd	Wind OEM, DB, OP, I	9,160	3.60	3.63	3.78	3.54	▲ 1.5%	▬▬▬▬	18.7x	18.7x
300118.SZ	Risen Energy Co Ltd	Solar Panel OEM	2,081	3.11	3.08	3.21	3.07	▼ (1.1%)	▬▬▬▬	17.0x	17.0x
601016.SS	CECEP Wind-Power Corp	Wind I	4,184	1.95	2.01	2.12	1.93	▲ 3.1%	▬▬▬▬	58.4x	58.4x
6758.T	Sony Corp	Battery OEM	47,246	39.13	37.40	39.77	37.02	▼ (5.6%)	▬▬▬▬	7.0x	20.2x
8002.T	Marubeni Corp	Wind I	13,237	7.53	7.62	7.65	7.40	▲ 2.0%	▬▬▬▬	18.5x	46.9x
8015.T	Toyota Tsusho Corp	Wind I	12,193	33.80	34.44	35.04	33.40	▲ 2.4%	▬▬▬▬	9.0x	16.3x
8031.T	Mitsui & Co Ltd	Wind PD, O, OP	33,862	18.40	18.85	18.91	18.23	▲ 3.1%	▬▬▬▬	13.9x	29.8x

Codes			
PD	Project Development	DB	Design & Build
O	Owner	OEM	Original Equipment Manufacturer
OP	Operator	R	Residential Solutions
I	Investor	C	Commercial Solutions

Source: Thomson Reuters, LCC research



IMPORTANT DISCLAIMER

This report has been prepared by LCC Asia Pacific Pty. Limited ("LCC"). The research is based on information obtained from sources believed to be accurate and reliable. LCC does not guarantee the accuracy, reliability, completeness or suitability of any such information and makes no warranty, guarantee or representation, expressly or impliedly about this research. LCC accepts no obligation to correct or update the information. No opinion or recommendation is made within this research. This report is not intended to be, nor should it be relied on, as a substitute for professional advice. This report should not be relied upon as the sole basis for any investment decision or planning, and LCC does not accept any responsibility on this basis for actions made.

