



## Market Performance – Overview

Index	Percentage change			Fixed Income	Yield	Change in Yield (basis points)		
	Week	YTD	12 months			Week	YTD	12 months
(Australia) S&P / ASX200	1.6%	(1.1%)	3.7%	(Australia) 2-year Gov. bonds	1.99%	(4.0)	(0.5)	15.2
(Japan) Topix	1.3%	(3.1%)	13.1%	(Australia) 5-year Gov. bonds	2.36%	(6.6)	0.4	5.3
(Singapore) FTSE Strait Times Index	2.6%	3.8%	12.6%	(Australia) 10-year Gov. bonds	2.83%	(7.1)	15.5	2.9
(Hong Kong) Hang Seng	0.5%	4.5%	29.7%					
(South Korea) Kospi 200	0.8%	(2.4%)	16.1%	<b>Currency</b>	<b>Rate</b>	<b>Week</b>	<b>YTD</b>	<b>12 months</b>
(US) S&P 500	0.6%	2.8%	16.2%	AUD to USD	0.7842	(0.9%)	0.5%	1.7%
(US) Dow Jones Industrial	0.4%	2.4%	21.6%					
(UK) FTSE 100	(0.7%)	(5.8%)	(0.4%)					

## News Headlines and Key Sector Developments

The Australian market finished the week 1.62% higher with the S&P/ASX200 ending at 6000 points as the Australian shares saw decent gains on the back of solid earnings results which supported the bourse to end the week in black. The Australian dollar finished the week 0.86% lower to end at US78.42 mainly due to the strengthening of the US Dollar as the potential for a more aggressive US Federal Reserve prompted investors to pare bearish bets against the currency.

The Australian Renewable Energy Agency (ARENA) on 21 February 2018 announced its support of a feasibility study to assess the potential to turn a mothballed mine in South Australia into a 90MW pumped hydro energy storage (PHES) plant. On behalf of the Australian Government, ARENA is committing \$500,000 to GFG Alliance to begin the first phase of establishing the technical and commercial feasibility at the site.

South Australia's Labor government has doubled down on its commitment to renewable energy, promising to increase the share of renewables to 75% by 2025 if re-elected at next month's state poll, and announcing plans to install 750MW of "renewable storage".

The world's first floating wind farm, the 30 megawatt Hywind Scotland, is outperforming expectations and operating at levels consistently above that of its seabound offshore brethren, according to project developer Statoil.

Infigen Energy (IFN.AX) has signalled a shift in focus to the commercial and industrial market, as more Australian businesses seek to take control of their energy costs and supplies. Additionally, IFN on 19 February 2018 reported 1HFY18 results with net profit of \$26.7 million and announced plans to refinance its existing debt through a \$525 million facility. The move to refinance comes as the business continues its efforts to stabilise future revenue by diversifying its customer base, as well as its contracting strategy, and energy mix.

According to a new report from Bloomberg New Energy Finance (BNEF), 2017 was the first time that a reduction in U.S. power sector carbon emissions could be attributed more to renewable energy and energy conservation than the nation switching from coal to natural gas to generate electricity. Carbon emissions from the power sector dropped 4.2% in 2017, this time on the back of declining load and greater renewable generation. In 2016, switching from coal to natural gas for power generation was the primary driver of the 5.8% downturn in carbon emissions.

South Australia is set to host its second hydrogen production and distribution facility, with the construction of a 1.25MW Siemens electrolyser that will produce hydrogen using electricity from the grid and potentially on-site solar. The \$11.4 million project, announced on 21 February 2018 by the Australian Gas Infrastructure Group, will be built at the Tonsley Innovation District in Adelaide, the industrial suburb built around the former Mitsubishi car manufacturing plant.



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# Australian Wind and Solar

Edition 99 for the week ending 23 Feb 2018 | Published 26 Feb 2018 WWW.LCCASIAPACIFIC.COM



Ticker	Company Name	Australian Activities	Market Cap (A\$ m)	Open Price	Close Price	Week High	Week Low	Weekly change (%)	EV/ EBITDA	EV/ EBIT
AGL.AX	AGL Energy	Wind PD, O, OP; Solar R, C, PD, O, OP	14,145	22.22	21.56	22.85	21.23	▼ (3.3%)	8.4x	11.3x
APA.AX	APA Group	Wind O, OP	9,208	7.90	8.26	8.30	7.87	▲ 3.3%	12.8x	21.3x
CSR.AX	CSR Ltd	Solar R, C	2,552	4.85	5.06	5.08	4.76	▲ 4.5%	6.3x	8.0x
GNX.AX	Genex Power	Solar PD, OP	85	0.29	0.29	0.30	0.28	▲ 1.8%	n.m.	n.m.
IFN.AX	Infigen Energy Ltd	Wind PD, O, OP; Solar PD	597	0.59	0.63	0.68	0.58	▲ 3.3%	7.2x	11.3x
ORG.AX	Origin Energy Ltd	Wind O, OP; Solar R, C	16,104	9.05	9.16	9.36	8.89	▲ 2.3%	27.6x	45.1x
RFX.AX	RedFlow Ltd	Battery OEM	77	0.17	0.15	0.18	0.14	▼ (9.4%)	n.m.	n.m.
WND.AX	Windlab Ltd	Wind, Solar PD	100	1.49	1.49	1.57	1.49	▼ (2.0%)	14.8x	15.2x
RNE.AX	Renu Energy Ltd	Wind, Solar PD	15	0.02	0.02	0.02	0.02	— 0.0%	n.m.	n.m.
CIM.AX	CIMIC Group Ltd	EPC	14,960	45.20	46.12	46.50	44.77	▲ 2.0%	8.9x	13.0x
MND.AX	Monadelphous Group Limited	EPC	1,628	17.55	17.32	18.53	17.21	▼ (1.3%)	12.8x	15.1x
DCG.AX	Decmil Group Limited	EPC	182	1.08	1.05	1.15	1.02	▼ (8.3%)	122.7x	n.m.
BOSH.BO	Bosch Ltd	Battery OEM	11,381	395.73	372.86	396.13	367.89	▼ (3.1%)	28.4x	36.5x
SUZL.BO	Suzlon Energy Ltd	Wind OEM, DB	1,363	0.26	0.26	0.26	0.25	▼ (1.0%)	12.3x	15.9x
ABG.MC	Abengoa SA	CST OEM, PD, DB	377	0.04	0.04	0.04	0.04	▼ (0.4%)	n.m.	n.m.
ENOR.MC	Elecnor SA	Wind PD, DB; Solar PD, DB	1,838	19.98	21.07	21.32	19.97	▲ 3.3%	9.9x	14.1x
GAM.MC	Gamesa	Wind OEM	13,600	19.75	19.91	20.12	19.15	▲ 2.1%	12.4x	113.0x
GAS.MC	Gas Natural SDG SA	Wind D	29,915	28.89	29.81	29.93	28.40	▲ 3.1%	10.2x	18.5x
VWS.CO	Vestas Wind Systems A/S	Wind PD	20,339	90.55	94.14	95.23	88.93	▲ 4.8%	6.2x	8.2x
SIEGn.DE	Siemens AG	Wind OEM, DB	147,959	174.06	173.56	176.64	171.18	▼ (0.4%)	9.8x	14.2x
S92G.DE	SMA Solar Technology AG	Solar Inverter OEM	2,578	72.79	74.08	76.18	69.88	▲ 2.4%	13.7x	s
ALSO.PA	Alstom SA	Wind OEM, DB	11,909	52.64	53.61	53.92	52.42	▲ 1.5%	12.6x	17.7x
AREVA.PA	Areva SA	CST OEM, PD, DB	2,558	6.75	6.75	7.06	7.04	— 0.0%	n.m.	n.m.
ENGIE.PA	Engie SA	Wind O, OP	49,532	19.81	20.34	20.44	19.63	▲ 2.5%	6.6x	12.0x
MALA.KL	Malakoff Corporation Bhd	Wind I	1,523	0.30	0.30	0.31	0.29	▲ 1.2%	6.0x	11.9x
005930.KS	Samsung Electronics Co Ltd	Battery OEM	401,532	2835.95	2798.05	2950.93	2770.79	▼ (3.2%)	4.2x	6.0x
051910.KS	LG Chem Ltd	Battery OEM	32,544	427.63	461.01	461.60	439.68	▲ 4.9%	6.8x	10.3x
JLG.L	John Laing Group PLC	Wind I	1,797	4.82	4.90	4.97	4.77	▲ 1.0%	8.1x	8.1x
ENPH.O	Enphase Energy Inc	Solar Inverter OEM	269	3.48	3.15	3.67	3.03	▼ (11.7%)	n.m.	n.m.
CSIQ.O	Canadian Solar Inc	Solar Panel OEM, R, C, PD	1,140	20.05	19.71	20.29	19.56	▼ (0.9%)	26.0x	26.0x
FSLR.O	First Solar Inc	Solar Panel OEM, DB	8,232	83.00	78.79	86.34	77.03	▼ (5.4%)	13.2x	25.5x
HQCL.O	Hanwha Q Cells Co Ltd	Solar Panel OEM	913	10.08	10.92	11.35	10.16	▲ 6.9%	40.6x	40.6x
SPWR.O	SunPower Corp	Solar Panel OEM, R, C, DB	1,278	9.20	9.13	9.88	8.77	▼ (5.5%)	n.m.	n.m.
TSLA.O	Tesla Motors Inc	Battery OEM	75,833	420.35	448.93	452.68	422.72	▲ 5.8%	348.3x	n.m.
DQ.N	Daqo New Energy Corp	Solar Panel OEM	800	67.00	76.01	82.86	66.13	▲ 12.9%	6.3x	8.8x
GE.N	General Electric Co	Wind OEM, DB, I	160,431	18.77	18.48	19.42	18.43	▼ (2.9%)	13.6x	22.1x
JKS.N	JinkoSolar Holding Co Ltd	Solar Panel OEM	877	24.65	22.74	24.87	22.28	▼ (5.2%)	n.m.	n.m.
SOL.N	ReneSola Ltd	Solar Panel OEM	122	3.07	3.19	3.25	3.05	▲ 5.1%	49.6x	n.m.
TSL.N	Trina Solar Ltd	Solar Panel OEM	1,410	15.24	15.25	14.96	14.00	— 0.0%	n.m.	n.m.
YGE.N	Yingli Green Energy Ltd	Solar Panel OEM	38	2.05	2.09	2.17	2.01	▲ 2.7%	n.m.	n.m.
MEL.NZ	Meridian Energy Ltd	Wind PD, O, OP	6,859	2.65	2.66	2.70	2.62	▲ 0.2%	13.8x	23.9x
TLT.NZ	Tilt Renewables Ltd	Wind PD, O, OP; Solar PD	556	1.80	1.77	1.80	1.77	▼ (1.5%)	10.7x	36.9x
1088.HK	China Shenhua Energy Co Ltd	Wind I	98,008	3.61	3.81	3.90	3.55	▲ 6.3%	8.5x	8.5x
1165.HK	Shunfeng International Ltd	Solar Panel OEM	253	0.06	0.06	0.06	0.06	▲ 1.2%	19.8x	n.m.
1211.HK	BYD Co Ltd	Battery OEM	33,793	11.59	11.93	12.13	11.72	▲ 2.8%	14.0x	25.2x
0002.HK	CLP Holdings Ltd	Wind PD, O, OP	31,894	12.35	12.62	12.65	12.36	▲ 3.2%	10.6x	14.9x
0579.HK	Beijing Jingneng Clean Energy	Wind O, OP	2,217	0.32	0.32	0.33	0.32	▲ 2.8%	6.0x	9.4x
RATCH.BK	Ratchaburi Electricity PCL	Wind PD, I; Solar PD, I	3,218	2.20	2.22	2.24	2.19	▲ 1.0%	17.3x	23.0x
ABBN.S	ABB Ltd	Solar Inverter OEM, DB	68,810	32.18	31.74	32.43	31.46	▼ (1.4%)	11.7x	15.1x
002202.SZ	Xinjiang Goldwind S&T Co Ltd	Wind OEM, DB, OP, I	10,680	3.18	3.24	3.33	3.20	▲ 2.4%	21.1x	21.1x
300118.SZ	Risen Energy Co Ltd	Solar Panel OEM	2,068	2.21	2.29	2.31	2.27	▲ 2.8%	11.4x	11.4x
601016.SS	CECEP Wind-Power Corp	Wind I	2,613	0.61	0.63	0.63	0.62	▲ 2.8%	30.7x	30.7x
6758.T	Sony Corp	Battery OEM	80,859	61.96	63.88	64.77	62.03	▲ 2.0%	5.6x	7.9x
8002.T	Marubeni Corp	Wind I	16,889	9.23	9.72	9.75	9.19	▲ 4.4%	15.2x	30.3x
8015.T	Toyota Tsusho Corp	Wind I	17,003	46.74	48.02	49.22	46.89	▲ 1.6%	10.4x	14.9x

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

Source: Thomson Reuters, LCC research



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