



# Australian CleanTech Index

**3Q FY15**

## Quarterly Performance Report

**April 2015**

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## 1. Australian CleanTech Index Overview

The Australian CleanTech Index provides the definitive measure of the performance of Australian listed cleantech stocks.

The cleantech industry is split into a number of sub-sectors as detailed in the table below. Each of the sub-sectors contains companies that have both environmental and economic benefits.

Solar Thermal and Photovoltaics	Waste Management & Recycling
Wind Generation	Energy Efficiency & Biomaterials
Biofuels	Green Buildings
Water	Energy Storage & Fuel Cells
Environmental Services	Wave, Tidal & Hydro
Low Emissions Vehicle Technologies	Biogas
Carbon Trading	Geothermal – Hot dry rocks and conventional

The cleantech sector is fundamentally different to Socially Responsible Investments (SRI) or Environmental, Social and Governance (ESG) performance. SRI and ESG look at incremental improvements in company performance and can be seen as ‘operational hygiene’ measures that find the best in class. Cleantech focuses on companies whose output positively enhances the communities and ecologies in which they reside. It is about doing ‘more good’ rather than ‘less bad’.

With 64 companies falling under the coverage of the Index and with a combined market capitalisation, after its rebalance, of nearly \$19Bn, the ACT Australian CleanTech Index presents a comprehensive picture of the Australian cleantech industry’s growth in a single measure.

The Index is weighted by market capitalisation and is benchmarked against both the ASX200 and the ASX Small Ordinaries. The rules for the formulation and management of the Index have been developed with reference to global best practice. An overview of these rules is provided in the annual performance report.



The ACT Australian Cleantech Index is updated each month and published on the Australian CleanTech website at [www.auscleantech.com.au](http://www.auscleantech.com.au), in the Ethical Investor magazine, in WME's Environmental Management News, on the Clean Energy Council website and in the international Cleantech Investor publication.

Monthly results can be emailed directly to interested parties by subscribing at <http://www.auscleantech.com.au/Pages/cleantech.html>.

## 2. Australian CleanTech Index Performance 3Q FY15

Australian CleanTech Index again outperformed the ASX200 and the ASX Small Ordinaries for both the month and the quarter.

The Australian CleanTech Index fell from 47.1 to 46.7 over the month of March recording a 0.8% loss, the first monthly loss recorded since August 2014. This compared to the ASX200 loss of 0.9% and the ASX Small Ordinaries Index loss of 3.0%. The Australian CleanTech 20 recorded a loss of 1.1%, slightly underperforming the full index for the month.

Over the third quarter of the 2015 fiscal year, the Australian CleanTech Index recorded a gain of 8.94%, just ahead the ASX200's gain of 8.88% and the ASX Small Ordinaries' 6.1% gain.

The six and twelve month figures also remain well ahead of the wider market. Over the last 12 months, the Australian CleanTech Index recorded a gain of 23.2%, 14% ahead of the ASX200.

Percentage Change	FY10	FY11	FY12	FY13	FY14	MAR'15	3Q FY15	6 Mnths	12 Mnths	3Yrs
<b>ACT Australian CleanTech Index</b>	-32.0%	-8.1%	-30.3%	-3.5%	19.6%	<b>-0.8%</b>	<b>8.94%</b>	19.2%	23.2%	13.7%
<b>Australian CleanTech 20</b>	-16.3%	-17.6%	-29.2%	-2.0%	19.6%	<b>-1.1%</b>	<b>8.4%</b>	19.5%	23.9%	16.1%
<b>S&amp;P/ASX200</b>	11.8%	4.2%	-9.6%	17.3%	12.3%	<b>-0.9%</b>	<b>8.88%</b>	11.3%	9.2%	35.9%
<b>S&amp;P/ASX Small Ords</b>	10.5%	9.5%	-15.0%	-8.3%	9.6%	<b>-3.0%</b>	<b>6.1%</b>	1.4%	<b>-1.0%</b>	<b>-13.9%</b>

The market capitalisation of the 64 stocks in the Australian CleanTech Index is A\$18.9 billion, after its rebalance, recording another new high for the sector.

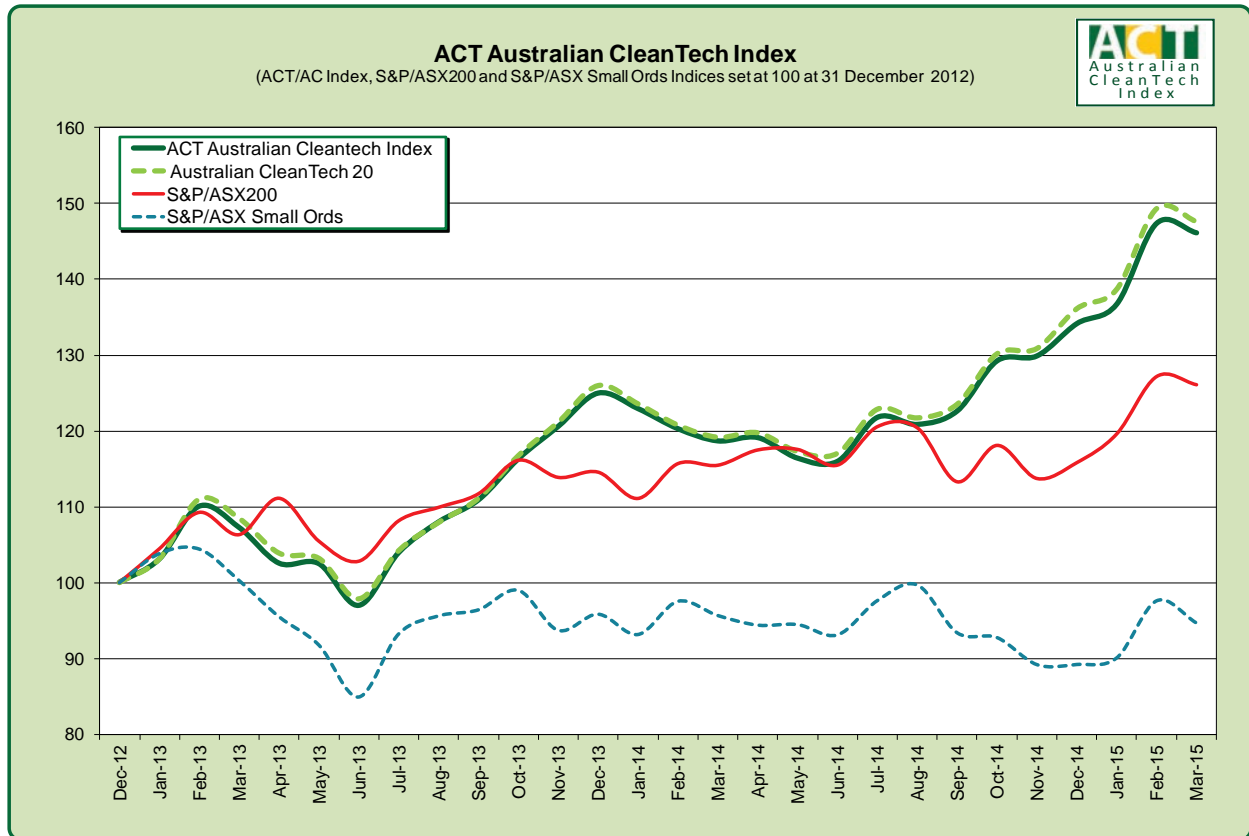
### Best and Worst Stocks

The best and worst performers in terms of share price performance over the month and the quarter are shown in the table below.

The month’s performance was driven by 12 companies with gains of more than 10%. The greatest percentage gains were recorded by Hot Rock (HRL), Greenearth Energy (GER) and EnviroMission (EVM). These gains were partially offset by 8 companies recording losses of more than 10% led by AnaeCo (ANQ), Soil Sub Technologies (SOI) and Phoslock Water Solutions (PHK).

The quarter’s performance was driven by 14 companies with gains of more than 25%. The greatest gains were recorded by Mission NewEnergy (MBT), Hot Rock (HRL) and Enerji (ERJ). These gains were partially offset by 5 companies recording losses of more than 25% led by Papyrus Australia (PPY), Coffey (COF) and Ceramic Fuel Cells (CFU).

March 2015		
Best Performers Share Price Gain > 10%		Worst Performers Share Price Loss > 10%
EnviroMission Actinogen Mission NewEnergy CleanTeQ Transpacific Industries Enerji	Neometals Energy Developments Vmoto Orbital Corporation Greenearth Energy Hot Rock	Sylex Systems Leaf Energy Phoslock Water Solutions AnaeCo Carnegie Wave Energy Geodynamics Seafarms Group Soil Sub Technologies
3Q FY15		
Best Performers Share Price Gain > 25%		Worst Performers Share Price Loss > 25%
EnviroMission K2 Energy Limited Actinogen Mission NewEnergy Leaf Energy CleanTeQ Beacon Lighting Corp	Nanosonics Enerji Energy Developments Orbital Corporation Greenearth Energy Hot Rock Aeris Environmental	Solco Quantum Energy Papyrus Australia Ceramic Fuel Cells Coffey



## Index Rebalance

The Australian CleanTech Index underwent its quarterly rebalancing at the end of March which took account of recent share issues and other corporate activity. There were no companies removed from the Index and the following two companies were added:

- Energy Action (ASX:EAX).** Energy Action is a leading energy management consultancy firm and a major player in the Australian energy management market. Energy Action provides services which reduce the impact of rising electricity prices for businesses. It is added to the Index following its acquisition of Exergy Australia and EnergyAdvice  
 Energy Action will also be added to the new Australian Efficiency & Storage Index.
- Metro Performance Glass (ASX:MPP).** Metro Performance Glass is a New Zealand based glass processing and customisation company with a

particular focus on insulating products. It completed its successful IPO in 2014 raising \$220m.

MPP will also be added to the new Australian Efficiency & Storage Index.

### **Watchlist**

A watching brief is being maintained on the following companies in the Index:

- **Novarise Renewable Resources International (ASX:NOE)** which is currently suspended from the ASX following the failure of the privatisation proposal from its majority shareholder and concerns raised by its auditor.
- **Enhanced Systems Technologies (Wasabi Energy) (ASX:ESY)** which is currently suspended from the ASX and in the process of recapitalising through a Deed of Company Arrangement.



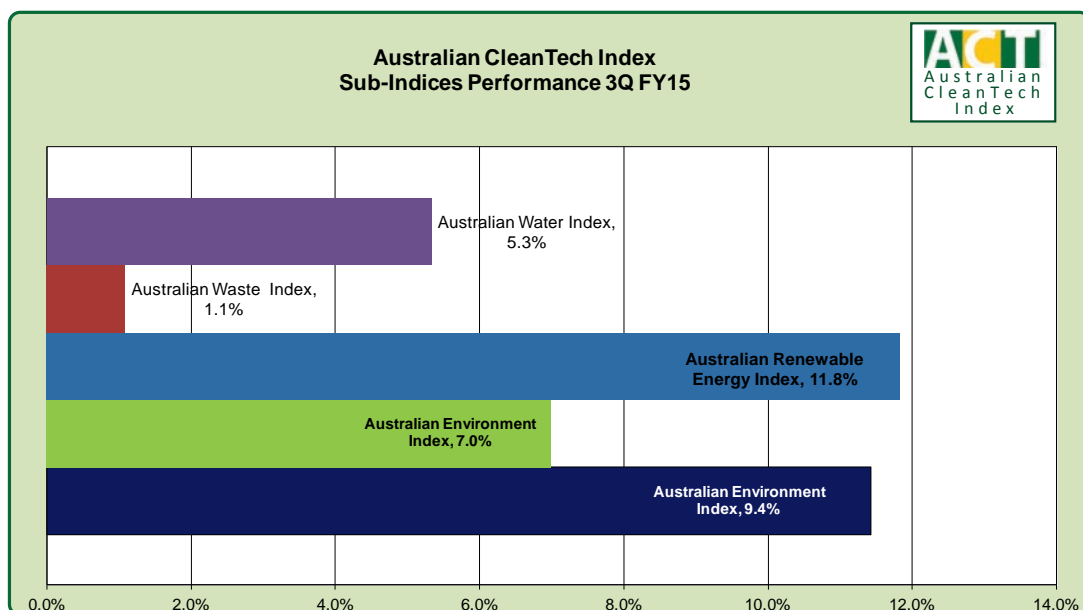
### 3. Component Sub-Indices

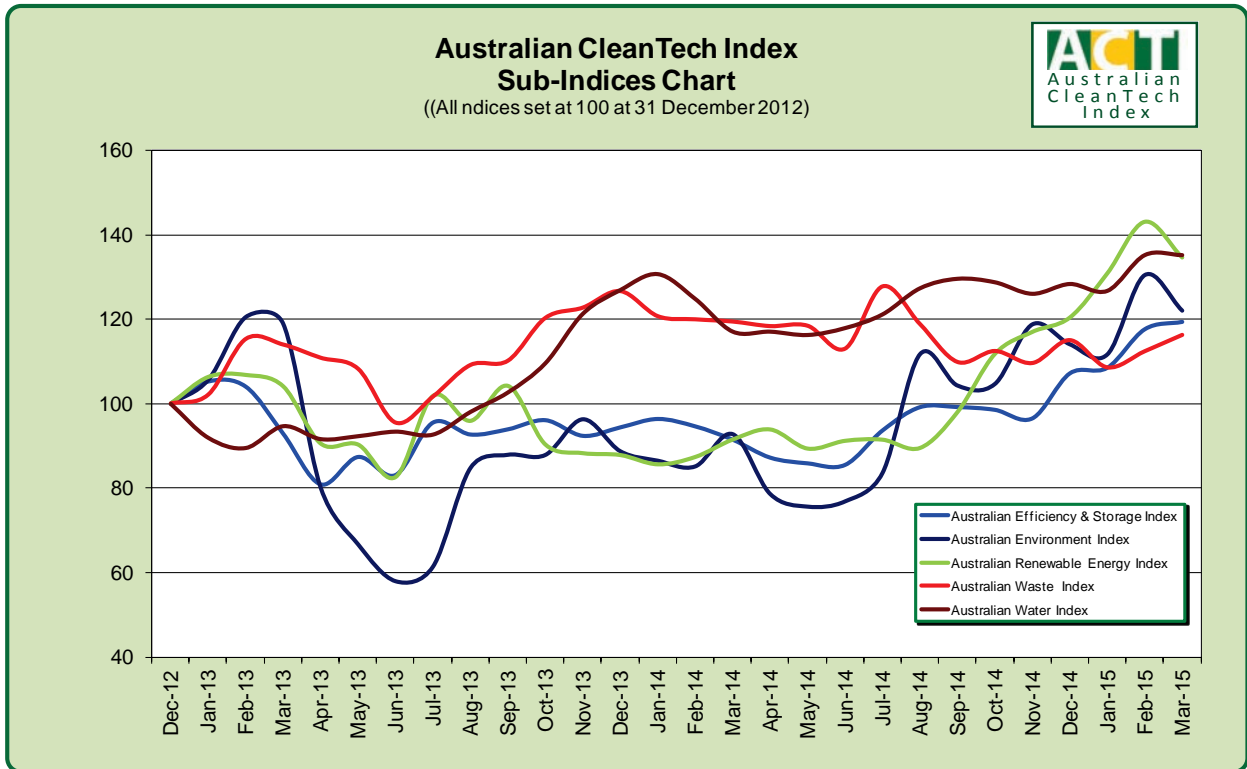
To provide an analysis of the Australian CleanTech Index, a number of sub-indices have been developed. The performance of each of these sub-indices over the last five financial years and during 3Q of FY15 is shown in the table and charts below.

The best performing sectors for the three months to March 2015 were Australian Renewable Energy Index and the Australia Efficiency & Storage Index. The worst performer was the Australian Waste Index.

**Australian CleanTech Sub-Indices**

	FY10	FY11	FY12	FY13	FY14	3Q FY15
<b>Australian Efficiency &amp; Storage Index</b>	6.2%	-1.2%	-23.5%	-27.9%	2.9%	<b>11.4%</b>
<b>Australian Environment Index</b>	-52.6%	-25.2%	-29.8%	-44.5%	32.6%	<b>7.0%</b>
<b>Australian Renewable Energy Index</b>	-38%	-32%	-22%	-22%	10%	<b>11.8%</b>
<b>Australian Waste Index</b>	-35.0%	-3.3%	-36.9%	-3.4%	18.3%	<b>1.1%</b>
<b>Australian Water Index</b>	-22.8%	19.8%	1.6%	-14.6%	26.3%	<b>5.3%</b>





#### 4. Component Companies on 31 March 2015

The largest 20 largest Index constituents by market capitalisation on 31 March 2015 are provided in the table below. These companies will form the constituents of the Australian CleanTech 20 until the index is rebalanced again on 30 June 2015.

Market Cap Ranking	Company	Ticker
1	Mighty River Power	MYT
2	Reece Australia Holdings	REH
3	Sims Metal Management	SGM
4	Meridian Energy	MEZCA
5	Transpacific Industries	TPI
6	Energy Developments	ENE
7	Nanosonics	NAN
8	Beacon Lighting Corp	BLX
9	Tox Free Solutions	TOX
10	Metro Performance Glass	MPP
11	Orocobre	ORE
12	Infigen Energy	IFN
13	Pacific Energy	PEA
14	Pro-Pac Packaging	PPG
15	Carnegie Wave Energy	CWE
16	Sylex Systems	SLX
17	Aeris Environmental	AEI
18	RedFlow	RFX
19	Enerji	ERJ
20	Novarise Renewable Resources	NOE

There were three new entrants to the Australian CleanTech 20 in this rebalance: Metro Performance Glass, Aeris Environmental and Enerji. These replaced the outgoing companies of Coffey, Gales Pacific and Dyesol. Each of the constituents in the Australian CleanTech 20 has a market capitalisation of more than \$66m.

For a full listing of all companies included in the Australian CleanTech Index, please email your request to [index@auscleantech.com.au](mailto:index@auscleantech.com.au).

## 5. China CleanTech Index

Australian CleanTech, through its Beijing-based Chinese operations, publishes the China CleanTech Index. This index tracks all 165 Chinese-based listed cleantech companies with a combined market capitalisation of US\$275 billion and provides the definitive measure of Chinese cleantech stocks for global markets. The charts below show the performance of the China CleanTech Index against its benchmarks from December 2012 and also show the relative performance of the China CleanTech Index against the Australian CleanTech Index.

Full details of the China CleanTech Index can be downloaded from [www.sinocleantech.com](http://www.sinocleantech.com), where it is also possible to sign up to receive the monthly performance reports.

