



## Ethical Investor

July, 2010

Page: 30

Section: General News

Region: National, AU

Circulation: 3000

Type: Magazines Business

Size: 1,038.28 sq.cms.

## Cleantech Investor 30

Top 30 ACT Australian CleanTech Index components by market capitalisation



Data supplied by  
Australian CleanTech

Sector	Company name	ASX Code	Business Description	30 April	31 May10	Market Cap
				Share price	Share price	
EFFICIENCY	Advanced Energy Systems	AES	Advanced Energy Systems was formed with an emphasis on solar power and solar utilities. Its solar assets were then sold to SunEnergy in 2008 and the company now has a focus on low-voltage, DC power network management for telecommunications.	0.09	0.05	22.3
WASTE	AnaeCo	ANQ	AnaeCo delivers Alternative Waste Technology (AWT) facilities based on the patented DICOM bioconversion process. The system incorporates advanced sorting, recycling, anaerobic digestion and aerobic composting to recycle municipal solid waste (MSW) into renewable energy from biogas, agricultural-grade compost and recyclables such as steel, aluminium, glass and plastics.	0.22	0.18	29.5
HYDRO, WAVE & TIDAL	Carnegie Wave Energy	CWE	Carnegie's primary technology is the CETO Wave Energy technology, which involves multiple underwater buoys driving pressured water. The technology is being demonstrated at Freemantle. The company also owns early-stage technologies involved with clean coal, solar thermal and wind aerofork.	0.11	0.10	79.0
FUEL CELLS & STORAGE	CBD Energy	CBD	CBD Energy provides wind, solar and energy storage in an integrated solutions package. The company is focused on diesel reduction and the overall reduction of greenhouse gas emissions by providing renewable power technology to both on-grid and remote area power systems.	0.14	0.13	45.6
FUEL CELLS & STORAGE	Ceramic Fuel Cells	CFU	Ceramic Fuel Cells (CFC) is a world leader in developing solid oxide fuel cell (SOFC) technology to provide reliable, energy efficient, high quality, and low-emission electricity from widely available natural gas and renewable fuels. CFC is developing SOFC products for small-scale on-site micro combined heat and power (m-CHP) and distributed generation units that co-generate electricity and heat for domestic use.	0.21	0.18	149.4
WASTE	CMA Corp	CMV	CMA Corp is an integrated waste management company. It has undertaken extensive acquisitions since its listing in its bid to consolidate the fragmented Australian waste management and recycling sector. Has also made acquisitions in New Zealand and the UK.	0.09	0.09	84.2
CARBON	CO2 Group	CO2	The CO2 Australia Carbon Sequestration Program is dedicated to establishing commercial-scale, permanent (>100 years) carbon sinks. The program involves establishing plantings of long-lived native eucalypts for the purpose of generating carbon credits. The trees will not be harvested. The company also offers offsets online via an emissions calculator, by quotation to SMEs, pre-tax employee payroll solutions, partnership to make products carbon neutral, management of forestry projects and carbon bank management.	0.15	0.13	34.9
ENVIRONMENTAL SERVICES	Coffey Environments	COE	Coffey Environments is one of the largest environmental services organisations in the southern hemisphere. It offers environmental, property engineering and workplace health and safety and is supported by a fully NATA accredited in-house laboratory.	1.60	1.18	152.3
WATER	Craze Group	CRG	The Craze Group is a leading manufacturer and distributor of non-ferrous metal products and plastic pipeline systems and a major distributor of plumbing and electrical supplies in Australia and New Zealand. Customer base includes plumbing, industrial, building, mining, electrical, telecommunication, government, and rural industries.	9.10	8.79	677.8
WASTE	Dolomatrix	DMX	DoloMatrix is a technology-based business, specialising in the cost-effective treatment of hazardous and other complex problem waste materials. The Dolocrete® technology is a worldwide-patented catalyst and binder system based on uniquely calcined dolomitic minerals. The combination of specifically chosen materials in the Dolocrete® system enables waste to be chemically bonded within a stable and inert matrix.	0.26	0.28	38.3
SOLAR	Dyesol	DYE	Dyesol's Dye Solar Cell technology uses an electrolyte rather than silicon. Claims to be lower cost, lower embedded energy to manufacture, more efficient in lower light and can be embedded in glass in buildings rather than panels. Has strong international international connections including a joint venture with Cosun on laminated steel pV and with Pilkington on BPV glass manufacture.	1.21	1.07	139.0
BIOGAS	Energy Developments	ENE	Energy Developments operates a 420MW international portfolio of low-emissions projects which continue to grow in size and diversity. These projects are focused on the provision of renewable and innovative energy and environmental solutions. It has operating plants in Australia, France, Greece, Taiwan, the UK and the US with 50% of the generation capacity being landfill gas, 25% coal seam methane and 25% natural gas. Currently 80% owned by Greenspark.	2.54	2.50	391.6
EFFICIENCY	Galaxy Resources	GXY	Galaxy Resources is the developer of the Mt Cattin Lithium Project (hard rock spodumene) in Ravensthorpe, Western Australia. Whilst mining is not directly a cleantech industry the lithium production will be driven by battery technologies.	1.29	1.05	159.5
EFFICIENCY	Gale Pacific	GAP	Gale Pacific Limited is a world leading manufacturer and distributor of advanced polymer fabrics which includes knitted outdoor fabrics, coated waterproof fabrics and PVC coated mesh fabrics. Products are sold to a range of consumer and industrial markets including the retail and home furnishings, architectural, construction, and agribusiness markets.	0.20	0.14	39.2
GEOTHERMAL	Geodynamics	GDY	Geodynamics is the leading geothermal company in Australia with extensive drilling work completed at Habanero. Hoping to finalise circulation tests in 2009. The company purchased a AS3.2m special purpose drilling rig in July 2007 to enable it to move ahead with its drilling program without delays. Major investors are Origin Energy and Iata Power.	0.59	0.43	125.0
ENVIRONMENTAL SERVICES	Greencap Ltd	GCG	Greencap Ltd owns a number of separate businesses servicing remediation, fire safety, risk management and environmental services in general.	0.10	0.08	19.7
WIND	Infigen Energy	IFN	Infigen Energy is a specialised investment fund focused on the wind energy generation sector, offering investors an opportunity to invest in a portfolio of globally diversified wind energy generation assets. Sold its Spanish assets in 2008 as they were undervalued. Acquired the management contract from its former parent company, Babcock & Brown, in late 2008.	0.99	0.84	683.9
BIOFUELS	Mission NewEnergy	MNT	Mission NewEnergy owns and operates a 100,000 tonnes pa production facility in Malaysia. The company also has agreements in place to expand its operations into China and India.	0.34	0.28	77.0
EFFICIENCY	Orocobre	ORE	Orocobre Ltd is a lithium miner that is developing the Salar de Doraaz brine deposit in Argentina, widely recognized as the world's next large scale, low cost lithium-potash brine resource. Toyota has bought into the Salar de Oloroz project to secure a lithium source for its car batteries.	2.45	2.18	176.2
BIOGAS	Pacific Energy	PEA	Pacific Energy owns an operating 46MW biomass project in Perth, a development biomass project in New Jersey, US, operating hydro projects at Blue Rock and Cardinia Reservoir in Victoria and development hydro projects in New Jersey. In December 2008, the company acquired Kalgoolie Power Systems that owns 150MW of gas, diesel and dual fuel installed plants at WA mine sites.	0.32	0.28	36.7
GEOTHERMAL	Panux Geotherm	PAX	Panux was originally established as a uranium explorer spun out of WPC Resources but then acquired the Limestone Coast, SA geothermal project from Scopenergy which includes SANM PPA with Snow Hydro, Berris de Coal (ex Geodynamics, MD) to the IAD. The company has a 43% ownership of the geothermal rights in the Indian state of Maharashtra and has the right to earn 61% of four geothermal projects in Yrgyzstan which are controlled by Kenter Gold.	0.12	0.11	33.8
WASTE	Papyrus Australia	PPY	Papyrus is commercialising a technology to make banana plant fibre into raw paper. Papyrus believes that its technology will provide a sustainable paper-making technology as an alternative to that on which the conventional pulp and paper industry is currently based.	0.39	0.29	26.4
EFFICIENCY	Pro-Pac Packaging	PPG	Pro-Pac Packaging was established in 1987 and has become a leader in the manufacture and supply of flowable and non-flowable voidfill protective packaging. Pro-Pac was the first company in Australia to offer biodegradable voidfill packaging to protect our customers' products while caring for the environment.	0.33	0.32	39.4
SOLAR	Quantum Energy	QEM	Quantum Energy Technologies is a manufacturer of advanced renewable energy water, building & pool heating products for residential, commercial and industrial applications.	0.13	0.08	85.5
WASTE	Sims Metal Management Ltd	SGM	Sims Metal Management is growing into one of the world's leading waste and recycling companies and already claims to be the world's largest "re-cycler" of IT, electrical and electronic goods. In 2007, it acquired the US based Metal Management that established a major position in the US.	20.88	20.19	4109.5
SOLAR	Sylex Systems	SLX	Sylex Systems owns a majority stake in Translucent Technologies, a US-based developer of a laser enrichment solar technology. Sylex also owns the old BP Solar manufacturing plant in Sydney and is in the process of acquiring the assets of Solar Systems.	6.04	5.46	810.6
WASTE	Top Free Solutions	TOX	Top Free is a Western Australia based company that offers a one-stop-shop for industrial waste management. It has diversified revenue streams including Barry Brothers, which it acquired from PMS in 2008 and Greenpac Recycling in Wodonga, Victoria.	2.42	2.30	210.3
WIND	Transfield Services Infrastructure Fund	TSI	Transfield Services Infrastructure Fund owns a 50% stake in the brown coal fired Loy Yang A power station. However, it also owns two water filtration plants and 177MW of operating wind farms, that it purchased from the Queensland Government.	0.97	0.68	186.9
WASTE	Transpacific Industries	TPI	Transpacific Industries is one of Australia's largest integrated waste management companies. Through Waste Management NZ, it is also one of New Zealand's leading waste companies. The company acquired Cleanway from KBR in 2007.	1.30	1.20	1152.8
BIOGAS	Willmott Forests	WFL	Willmott Forests establishes, manages, harvests, processes and supplies timber products from plantation grown resources. It develops plantations for high value veneer timber production and wood pellets for energy production through the BioForest Project. The company owns 51% of Ethanol Technologies, that is developing cellulosic ethanol and 100% of BioEnergy Australia Ltd.	0.35	0.34	48.6