

# Sustainability Matters

6<sup>th</sup> Dec, 2018

A fortnightly selection of topical **news and views** about economic, social and environmental issues.  
Designed especially for accountants and those who use the services of accountants.

## Sustainability Matters is;

- Compiled and published by Ray Skinner of *Sustainability Matters*, providers of specialist services relating to sustainability and business support. **Business achieving a tomorrow for tomorrow's children.**

## Marilyn Waring – Visionary Leader Award

"Many people remember Marilyn Waring as the feisty young [NZ] National Member of Parliament who got under Prime Minister Rob Muldoon's skin and provoked the 1984 Snap Election.

"When Labour's David Lange and Rogernomics swept into power that year, Waring turned her back on Parliament and headed into academia, earning a Doctor of Philosophy in Political Economy from Waikato University.

"While Rogernomics was changing the landscape of business and trade in New Zealand, Waring created her own brand – feminist economics. She argued strongly that gender equality, sustainable development and women's human rights must be valued, cared for and included in economic modelling and performance – and soon became internationally known. ....

"Waring's work, tenacity and insights were recognised at the Deloitte Top 200 awards dinner last night [21<sup>st</sup> Nov.] when she was celebrated as the 2018 recipient of the Sheffield award for Visionary Leader.

"Top 200 judge Dame Alison Paterson says the award not only recognises a person important in New Zealand's political history but also someone who has shown original, visionary thinking and application that has been inadequately recognised in NZ. ....

"One of her most famous works, *If Women Counted: A New Feminist Economics*, argued for the economic importance of women's unpaid work and the environment, revealing the serious policy consequences caused by ignoring these when calculating national economic measures such as GDP.

"The work persuaded the United Nations to redefine GDP, inspired new accounting methods in dozens of countries, and became the founding document of the discipline of feminist economics' ....

"More recently, Marilyn's work has focused on the inequalities of globalisation and the importance of acknowledging women's work as an international human rights issue. She has undertaken a range of projects for the United Nations and a number of high-level international agencies.'

"Dame Alison says Waring is a pioneer visionary and acknowledgement of her now, decades after her seminal work, is fitting, as the Labour-led Government recasts the form of next year's budget to a Wellbeing Budget. It is also suitable recognition as New Zealand celebrates 125 years since women gained the right to vote. ....

### More:

[www.nzherald.co.nz/business/news/article.cfm?c\\_id=3&objectid=12164156](http://www.nzherald.co.nz/business/news/article.cfm?c_id=3&objectid=12164156) plus [www.noted.co.nz/currently/profiles/marilyn-waring-political-prodigy-international-influencer/](http://www.noted.co.nz/currently/profiles/marilyn-waring-political-prodigy-international-influencer/)

**Source:** *NZ Herald*, Pages D1, 26 and 27, 22<sup>nd</sup> Nov. 2018

**Editor:** Surely Marilyn has sufficient merit to be made a member of the 20 member Order of New Zealand? ❖

## Finance Minister Welcomes Release of Living Standards Framework Dashboard

"Finance minister Grant Robertson has welcomed the Treasury's release of its Living Standards Framework (LSF) Dashboard [4<sup>th</sup> December 2018].

"The Dashboard is a tool created by the Treasury, within its broader Living Standards Framework, to help shape policy advice. It contains data measures across 12 areas (such as health, housing, safety, and social connections) that reflect the four key components of the LSF that determine inter-generational wellbeing (natural, human, social, and financial and physical).

"This tool will be used alongside other measures to support the Coalition Government's Wellbeing Budget that will be released in 2019', Grant Robertson said.

"Next year's Budget will be a significant change from previous ones. Our Wellbeing Budget will demonstrate that we are a Government committed to building an economy that is more productive, more sustainable and more inclusive.'

"In doing this, we are making sure we don't just look at New Zealand's financial health, but also at the wellbeing of our people, the health of our environment, and the strength of our communities.'

"The data in the LSF Dashboard shows the current and future wellbeing of New Zealanders broken by ethnicity, age, gender, region, family time and deprivation area over time.'

"I will be able to say more on the five Budget priorities when I release the Budget Policy Statement next week, but I have already signalled mental health wellbeing will be one.'

"The Treasury says the LSF Dashboard version released today is the first of an evolving tool, so understandably there are still some gaps and issues to address, in particular on child wellbeing, cultural wellbeing and capturing a Te Ao Maori view'.

"The Treasury will continue to update the Dashboard', Grant Robertson said.

**More:** [www.nzdoctor.co.nz/article/undoctored/finance-minister-welcomes-release-living-standards-framework-dashboard](http://www.nzdoctor.co.nz/article/undoctored/finance-minister-welcomes-release-living-standards-framework-dashboard) plus <https://treasury.govt.nz/publications/tp/living-standards-framework-introducing-dashboard> also <https://nztreasury.shinyapps.io/lisfdashboard/> and among others <https://treasury.govt.nz/publications/guide/living-standards-framework-worked-example-macro-micro>

**Source:** Graham Coleman, 4<sup>th</sup> December 2018

**Editor:** Whilst still very much a work-in-progress this is a world first of some note. ❖

## SUSTAINABILITY WORKING GROUP

The 20<sup>th</sup> December 2001 edition of this newsletter reported;

### *Preliminary Announcement!*

At its meeting on Fri 14<sup>th</sup> 2001 the Institute's [ICANZ] Executive Board decided that a dedicated **Task Force be established** to investigate and provide thought leadership on the subject of sustainability.

More information is eagerly awaited regarding this very positive and exciting news. ❖

## Donation Opportunity!

**If You Enjoy *Sustainability Matters*** and gain stimulation or value from it consider providing a donation.

Doing so would support creation of the newsletter ©  
As a suggestion NZ\$46 would be very welcome. Invoices/GST receipts issued. Every contribution is much appreciated. Bank account details are;  
Sustainability Matters

A/c No. 123 011 0249104 00

ASB Bank, Queen Street branch, Auckland.

## Doing the Doughnut at the G20?

Kate Raworth author of *Doughnut Economics*

"This weekend [1<sup>st</sup> weekend of December] the G20 are meeting in Argentina, with the aim (they say) of 'building consensus for fair and sustainable development'. Since they collectively generate 85% of global GDP, whether they do or don't transform their economies will profoundly affect us all. So how close to the Doughnut's safe and just space are the G20?

"Here's one way of assessing it, using the pioneering national doughnut analysis by Dan O'Neill, Andrew Fanning, Julia Steinberger and Will Lamb at the University of Leeds. Using the best-available, internationally comparable data, they scaled the global concept of the Doughnut down to the national level for over 150 countries (only including those for which there were sufficient data – as a result, Saudi Arabia is unfortunately missing from this G20 analysis. The EU28 group is also not available for this analysis). [Graphics]

"In essence, national doughnuts aim to reflect the extent to which a country is meeting its people's essential needs while at the same time ensuring that its use of Earth's resources remains within its share of the planet's biophysical boundaries. ...

"So what does this 150 country overview reveal? Three insights jump out;

1. We are all developing countries now ....
2. New development pathways need new names. ....
3. Transformative goals demand transformative approaches .... [NZ receives mention]

**More:** [www.kateraworth.com/2018/12/01/doing-the-doughnut-at-the-g20/](http://www.kateraworth.com/2018/12/01/doing-the-doughnut-at-the-g20/)

**Source:** *Carbon News*, 3<sup>rd</sup> December 2018

**Editor:** In response 76 contributors had provided their thoughts as at 5<sup>th</sup> December; some quite lengthy. ❖

## Think Resilience Guided Online Course

"We live in a time of tremendous political, environmental, and economic upheaval.

"What should we do?

"Think Resilience is an online course offered by Post Carbon Institute to help you get started on doing something. It features twenty-two video lectures – about four hours total – by Richard Heinberg, one of the world's foremost experts on the urgency and challenges of transitioning society away from fossil fuels.

"Think Resilience is rooted in Post Carbon Institute's years of work in energy literacy and community resilience. It packs a lot of information into four hours, and by the end of the course you'll have good start on two important skills:

1. How to make sense of the complex challenges society now faces. What are the underlying, systemic forces at play? What brought us to this place? Acting without this understanding is like putting a bandage on a life-threatening injury.
2. How to build community resilience. While we must also act in our individual lives and as national and global citizens, building the resilience of our communities is an essential response to the 21<sup>st</sup> century's multiple sustainability crises.

"The course is offered in two ways: as a self-directed course that you can start at any time and take at your own pace, and as a periodically offered six-week guided course featuring group webinars with Richard Heinberg. Students can qualify to earn a Certificate of Course.

"Completion from Post Carbon Institute. Discussion groups and classroom use are also supported.

**When/Where:** From 10<sup>th</sup> January 2019. Reading plus weekly webinars. Register 'Now' using discount code THINKUS to obtain a discount of US\$25.

**More:** <https://education.usescience.org/product/think-resilience-guided-course-with-tus/>

**Source:** Post Carbon Institute, 4<sup>th</sup> December 2018. ❖

## Celebrating NZ's Sustainability Heroes!

"Last Thursday [22<sup>nd</sup> November] almost 700 [Wow!] of NZ's sustainability movers and shakers gathered to celebrate the biggest night on the sustainability calendar. Read on to find out who took home the beautiful, artisan-designed, green gongs!

"With more entrants and more attendees than ever before, the growth of the NZI Sustainable Business Network Awards reflects the burgeoning growth and mainstreaming of sustainability in business. ...

"The winners of the 2018 NZI Sustainable Business Network Awards are:

- Supreme Award: Transforming NZ Award –City Rail Link
- "Communicating for Change – Wā Collective
- Sustainability Superstar – Tracy Brown, DairyNZ
- Millennial on a Mission – Olie Body, Wā Collective
- Transforming Food – Our Land of Milk and Honey
- Restoring Nature – Auckland Whale and Dolphin Safari
- Efficiency Champion – City Rail Link
- Going Circular – Ethique
- Smarter Transport – Yoogo Share
- Revolutionising Energy – emhTrade
- Hardwired for Social Good – Kilmarnock Enterprises
- Partnering for Good – Take My Hands

**Important!** For finalists and commendations visit the web site – these too have considerable merit!

**More:** <https://sustainable.org.nz/sustainable-business-news/awards-celebrating-nzs-sustainability-heroes/>

**Source:** SBN, 27<sup>th</sup> November 2018. ❖

## Amsterdam's 'Insect Hotels' Help Save City's Bees

"It's notoriously hard to find a place to stay in Amsterdam – unless you're a bee.

"Green spaces across the Netherlands' capital have been transformed into beds of native plants, chemical pesticides have been banned on public land, and bees have their pick of 'insect hotels' scattered across the city, which has invested \$38.5 million in a sustainability fund to improve the environment for bees, and everything else.

"As bee numbers dwindle around the world, Amsterdam's populations are buzzing. The city's diversity of wild bee and honeybee species is up 45% from 2000, according to an NBC report – including 21 kinds of bee not previously documented in the city.

"To the untrained eye, many 'insect hotels' appear to be little more than a pile of sticks. For hundreds of species of 'solitary' bees, however, they're the ultimate in luxury accommodation. These insects spend their lives alone, rather than in hives. Each female bee lives alone, laying 20 to 30 eggs over the course of her lifespan. She fends entirely for herself – right down to choosing the sex of her eggs. Solitary bees seek out holes like the ones in insect hotels for their nests, signaling which 'rooms' are occupied by making a mud 'door' over the entrance hole.

"Though solitary bees don't make honey, they're a crucial part of the ecosystem, pollinating plants and helping them to flower and fruit. That's part of the reason why they're so important, ecologist Geert Timmermans told NBC. 'They're the start of the food chain', he said. 'When it goes well with the insects, it also goes well with the birds and mammals.'

**More:** <https://qz.com/1386616/amsterdams-insect-hotels-are-helping-to-save-the-citys-bees/> plus [www.nbcnews.com/news/world/bees-are-dying-alarming-rate-amsterdam-may-have-answer-n897856](http://www.nbcnews.com/news/world/bees-are-dying-alarming-rate-amsterdam-may-have-answer-n897856) and <https://www.facebook.com/1MillionWomen/videos/amsterdams-solution-to-the-worlds-bee-crisis/268853617101910/> 52 sec

**Source:** Craig Skinner, 30<sup>th</sup> November 2018. ❖

## Remarks at the Accounting for Sustainability (A4S) Summit 2018

"Remarks given by Mark Carney, Governor of the Bank of England, at St James Palace 21<sup>st</sup> November 2018.

"[Page 6] .... The impacts of these developments could be enormous.

"TCFD's voluntary disclosure is creating a virtuous circle by encouraging learning by doing: as companies apply the recommendations, investors are increasingly differentiating between firms based on the information they receive. As good practice emerges, adoption will continue to spread, disclosure will become more decision-useful and efficient, and its impact will grow.

"As climate disclosure moves into the mainstream, it is increasingly seen as necessary in and of itself, and as informative about which companies are focused on long-term value creation.

"Moreover, as a 'market' in the transition to a 2 degree world is built, it can pull forward adjustment by the private sector – particularly if the policy responses of governments and the prospects for private sector innovation are credible.

"Finally, as stressed by HRH [Prince Charles], the transition to a low-carbon economy will bring unparalleled opportunities for companies minded to seize them.

"For example, the IEA estimates the transition could require \$3.5trn in energy sector investments a year for decades – twice the rate at present. By 2050 we will need nearly 95% of electricity supply to be low carbon, 70% of new cars electric, retrofitting of the entire building stock, and an 80% fall in the CO2 intensity of the building sector.

"With an estimated US\$90 trillion of infrastructure investment expected between 2015 and 2030, smart decisions now can make sure that investment is both financially sound and environmentally sustainable.

"Investing in more sustainable agriculture could deliver an estimated US\$2 trillion in economic benefits per year and generate millions of jobs, while also improving food security and reducing GHG emissions.

"Reducing air pollution could not only prevent millions of premature deaths per year, but avoid over \$350 billion in lost productivity and health impacts.

"Getting climate disclosure right will mean investment flows to firms which are managing the risks and seizing the opportunities. Ensuring our banks and insurers are resilient to climate-related risks will reinforce this process while keeping the financial system open for UK households and businesses in all types of weather. ..

**More:** [www.bankofengland.co.uk/-/media/boe/files/speech/2018/remarks-at-the-accounting-for-sustainability-summit-2018.pdf](http://www.bankofengland.co.uk/-/media/boe/files/speech/2018/remarks-at-the-accounting-for-sustainability-summit-2018.pdf) 8 pages, 111kb

**Source:** Ethical Corp, 1<sup>st</sup> December 2018. ❖

## Patagonia is Donating Company's Entire \$10M Trump Tax Cut to Fight Climate Change

"Patagonia is having a very good year. And under our new [USA] corporate tax code passed by a Republican Congress and enthusiastically signed into law by President Trump, they're paying a lot less in federal taxes.

"\$10 million less, to be exact.

"In letter posted to LinkedIn, Patagonia's CEO announced her company is donating all \$10 million to non-profit groups which work on issues related to climate change and the environment.

"Based on last year's irresponsible tax cut, Patagonia will owe less in taxes this year – \$10 million less, in fact', CEO Rose Marcario writes. 'Instead of putting the money back into our business, we're responding by putting \$10 million back into the planet. Our home planet needs it more than we do.'

**More:** [www.upworthy.com/patagonia-s-ceo-is-donating-company-s-entire-10-m-trump-tax-cut-to-fight-climate-change](http://www.upworthy.com/patagonia-s-ceo-is-donating-company-s-entire-10-m-trump-tax-cut-to-fight-climate-change)

**Source:** Malcolm Rands and Lisette Rawson, Facebook, 30<sup>th</sup> November 2018. ❖

## Natural Capital Coalition - Australia

"The Natural Capital Coalition announced today [28<sup>th</sup> November] it has appointed the Business Council for Sustainable Development Australia (BCSD Australia) as the lead organisation for the newly established Australian Natural Capital Platform.

"The Australian Natural Capital Platform is the latest regional platform in a growing network of Natural Capital Regional Platforms created by the Natural Capital Coalition around the world.

"The Regional Platforms will each be an association of interested parties coming together at different levels to collaborate and advance natural capital thinking. The Platforms will provide a space for geographic and context-specific challenges and opportunities to be discussed among stakeholders. The work and conversations taking place in the Platforms will be fed back to the global Coalition to inform its collective, global strategy and inspire the international community. ....

"We also plan to build an understanding and capacity for Australian policymakers to utilise the Natural Capital Protocol as the bridge to the establishment of a National Environmental – Economic Framework, the establishment of which was committed to by Australia's federal and state environment ministers', said Mr Petersen.

**More:** [www.bcsda.org.au/news/bcsd-australia-to-lead-the-australian-natural-capital-platform](http://www.bcsda.org.au/news/bcsd-australia-to-lead-the-australian-natural-capital-platform)

**Source:** *SBC Weekly Pānui*, 29<sup>th</sup> November 2018. ❖

## Work Started 15 years ago Comes to Fruition

"We just passed the COOL(est) law. Our Country of Origin Labelling Bill passed its final reading in Parliament last night [28<sup>th</sup> Nov.] with support from nearly all political parties. This new law allows all of us to know where our food comes from.

"The Green Party has campaigned for this law change for 15 years, with Green MP Sue Kedgley first proposing the change back in 2003. Green MP Steffan Browning picked up Sue's work and today I'm delighted to have guided it into law.

"The change means that vegetables, frozen fruit, seafood, and meat will be labelled with the country they come from. It also allows the Minister for Consumer Affairs to extend country of origin labels to more types of food.

"It gives people what we need to make informed choices of what we buy and more power to support ethical producers and avoid GE, pesticides, and food made with poor working conditions.

"Thanks to everyone who has supported the right for us to know where our food comes from. It's been a long journey. But now, with the Greens at the heart of government, we're able to make it a reality.

**More:** [https://www.nzherald.co.nz/nz/news/article.cfm?c\\_id=1&objectid=12168154](https://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=12168154)

**Source:** Gareth Hughes, Green Party MP, 29<sup>th</sup> Nov. ❖

## How Often Should Bath Towels be Washed?

"Damp towels do breed bacteria, but it's important to understand that we are constantly surrounded by bacteria on virtually everything we touch. The bacteria on your towel nearly all originally came from your skin, and if you aren't sick and don't have any open cuts or wounds, there's no reason to suppose that transferring some of these germs to a towel and then back to you will make them any more dangerous.

"The American Cleaning Institute recommends washing towels every three or four uses. But surveys show most people reuse them at least five times, apparently without any serious consequences.

**More:** [www.sciencefocus.com/science/how-often-should-you-wash-your-bath-towels/](http://www.sciencefocus.com/science/how-often-should-you-wash-your-bath-towels/)

**Source:** Clean Planet, 15<sup>th</sup> November 2018. ❖

## EECA Consults on Energy Levy-funded Activities

'The Energy Efficiency and Conservation Authority (EECA) is seeking feedback on its proposed [\$14M] energy levy-funded activities for the 2019/20 year.

'EECA receives part of its funding from levies collected from the road transport fuel, electricity and gas sectors.

'EECA's Chief Executive Andrew Caseley says the levy funding will help EECA continue its work to improve the energy productivity, and reduce the carbon intensity, of New Zealand's economy.

'Mr Caseley says EECA's core activities in promoting energy efficiency and renewable energy are key to reducing energy costs for consumers, as well as energy-related greenhouse gas emissions.

'Forty percent of New Zealand's greenhouse gas emissions come from our use of energy; the way we drive, how we make products, power our appliances and keep our homes warm.'

'We've got big opportunities, particularly in the transport and business sectors, to use less energy and utilise cleaner energy sources.'

'EECA estimates households and business could use 20% less energy by 2030 saving \$2.3 billion, by making better choices in the way we use energy and by switching to more efficient, cleaner technologies.'

'EECA is proposing to deliver programmes including technology demonstrations, the Low Emission Vehicles Contestable Fund, the electric vehicle information campaign, work with large energy users to help reduce and decarbonise their energy use, and the ongoing products programme that lifts the energy performance of appliances. ...

**Consultation Closes:** Friday 14<sup>th</sup> December 2018.

**More:** <https://www.eeca.govt.nz/news-and-events/media-releases/eeca-seeks-feedback-on-201920-energy-levies/>

**Source:** *Carbon News*, 14<sup>th</sup> November 2018

**Editor:** Simple things such as white roofs and insulation to better than mandated in the Building Act are merited? ❖

## Can 35-ton Bricks Help Solve Renewable Energy's Biggest Problem?

'It's already cheaper to build a new solar or wind farm than a coal plant. But when the sun isn't shining and the wind isn't blowing, renewable electricity can still be fairly expensive to store – even though the cost of batteries is dropping. If the world shifted to 100% renewable electricity right now, we might pay more on electric bills.

'A new solution that uses basic physics could cut the cost of storage in half, or by as much as 80% over the total life of the system. It makes it possible for renewable power to be cheaper than fossil fuels all day, every day of the year, everywhere. 'Our solution, for the first time, will enable the world to achieve this', says Robert Piconi, CEO and cofounder of Energy Vault, the start-up that developed the new system. Tata Power, the giant Indian electric utility, will be the first customer. ....

'Like dams, the new solution – a massive tower, roughly the height of a 35-story building – relies on gravity. But it doesn't require water. When a wind or solar farm makes more energy than the grid needs, an automatic crane on the battery uses the extra electricity to lift a giant brick, weighing 35 metric tons, up to the top of the tower. 'When that tower's stacked, that's all potential energy', says Piconi. When the grid needs power, the crane automatically lowers a brick, using the kinetic energy to charge a generator. [Graphic]

'All of this happens almost immediately. 'We can have a millisecond response time', he says ....

**More:** [www.fastcompany.com/90261233/can-these-35-ton-bricks-solve-renewable-energys-biggest-problem](http://www.fastcompany.com/90261233/can-these-35-ton-bricks-solve-renewable-energys-biggest-problem)

**Source:** Editor, 3<sup>rd</sup> December 2018. ❖

## SuperHome Movement

'The goal of the movement is to raise standards so that all new homes are healthier and more energy efficient, while also promoting environmental, economic, and socially sustainable practices ...

'The movement's activities and events provide open source sharing of new design ideas, technologies, and building techniques by connecting leading experts with homeowners, designers, builders, industry, researchers, education providers, government, stakeholders, to collaborate towards achieving higher building standards for all New Zealand homes. ...

'In terms of building standards New Zealand is around 20 years behind other developed countries in the OECD.

'Almost all houses built today are built to the minimum standard allowed by law (equivalent to a Homestar rating of 3). This is well below what is acceptable by other developed countries where minimum standards are around Homestar rating of 6 or above. The result is that most kiwis will end up living in cold damp houses that are not only unhealthy but are also costly to run due to inefficient design, building, and poor quality building materials.

'Our sub optimal building standards are contributing to unhealthy living environments, and some very sobering health statistics. ...

'As a nation, our healthcare costs for respiratory diseases alone exceed \$5 billion annually. Educating industry, and the public is essential to create change. The Superhome Movement is dedicated to driving this change. Join us to be part of this movement toward creating better homes for all of New Zealand.

**More:** <https://www.superhome.co.nz/why/>

**Source:** NZGBC, 14<sup>th</sup> November 2018. ❖

## The Healthiest Hospital is the One Which Doesn't Exist, Because it's Not Needed

'From *'What I Have Learnt'* Sonia Roschnik, Sustainable Development Unit of UK's NHS.

'.... The pinnacle of sustainability in health might be to avoid bad health from the start. Prevention is absolutely key. Air pollution work is a good example of that. The healthiest hospital is the one that doesn't exist, because it is not needed. Needs not just to be about healthy individuals but healthy communities – the concept has really taken off that communities are essential to wellbeing. The evidence of what works in wellbeing is very powerful and we need to support that. ...

'My postgrad in Systems Thinking taught me not to be frightened by how complex and necessarily messy everything is. We like to reduce things to a comfortable linear pattern with an input and an output, and that feels good, but it doesn't mean that its right. System thinking really helps you consider your point of interest might be quite tangential to what you think of immediately. Suspend belief, be curious, try to have an enquiring mind, you approach things in a different way, you try and consider all different elements at play. ....

**More:** <https://radar.sustainability.com/issue-18/what-i-have-learnt-sonia-roschnik-sustainable-development-unit/>

**Source:** SustainAbility, 13<sup>th</sup> November 2018. ❖

## Australia's Most Polluted Postcodes

'Air pollution is seriously damaging the health of Australians across the country. In Melbourne's west, children breathe in the exhaust from trucks. In the Hunter Region of NSW, families are affected by coal dust. In Morwell, Victoria people have inhaled fumes from a fire in a major coal mine....

**More:** [www.acf.org.au/publications](http://www.acf.org.au/publications) 24 pages, 3.15Mb

**Source:** ACF, 16<sup>th</sup> November 2018. ❖

Contributions and feedback are welcomed.

Send your news items, handy hints, case studies, suggestions, comments and questions to Ray Skinner of *Sustainability Matters*.

eMail: [ray@sustainabilitymatters.co.nz](mailto:ray@sustainabilitymatters.co.nz) Phone: +64 (09) 443 0773 Web: [www.sustainabilitymatters.co.nz](http://www.sustainabilitymatters.co.nz)