

Sustainability Matters

Compiled and published by Ray Skinner, FCA

Business achieving a tomorrow for tomorrow's children

15th Sept. 2022



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Climate-related Disclosures Final Consultation

The External Reporting Board (XRB) is seeking feedback on its third and final consultation document regarding its exposure drafts and the draft staff guidance for climate related disclosures for New Zealand entities

'Deep dive' presentations and other material is provided.

Closing Date: 26th September 2022

More: www.xrb.govt.nz/standards/climate-related-disclosures/consultation/exposure-draft

Source: Kit Withers, 13th September 2022. 

Sustainability Assurance Playbook – An Opportunity for CA's to Seize

'A new guide from CA ANZ aims to help small to medium assurance firms understand what they need to do to position their practices to seize the opportunities sustainability assurance offers.

'Businesses have been reporting various forms of non-financial information for some time now. Whether it was triple bottom line, corporate social responsibility reporting, or integrated reporting, there has been a move towards giving investors more of this kind of information. With the added pressures of reporting on climate-related risks and other emerging risks, there has been an increase in the demand for sustainability assurance. In response, standard setters and regulators globally and locally are moving to develop common standards and mandate what is becoming known as 'sustainability reporting', which encompasses more than just climate-related disclosures.


'While it is easy to think this form of reporting will only be required by large corporates, those large corporates will be looking for suppliers which can prove their sustainability bona fides too. The push for sustainability reporting will flow through to small and medium entities.

'With new forms of reporting comes the challenge of how to ensure it is high quality and reliable as well. This is where sustainability assurance comes into play.

'The assurance of sustainability reporting could be the biggest change and opportunity the auditing profession has experienced since the adoption of International Financial Reporting Standards (IFRS). Chartered Accountants are well positioned for the challenge, they have the skills and experience to provide the assurance required. However, practitioners need to be proactive in claiming this space.

'The guide examines what the journey to providing sustainability assurance might look like. It shares experiences from sustainability assurance practitioners already working in large and small audit firms, and those consulting in the sustainability reporting space, and provides links to resources to help you on the way.

More: www.charteredaccountantsanz.com/news-and-analysis/insights/research-and-insights/sustainability-assurance-seize-the-opportunity 19 pages, 1.13Mb

Source: Derek Chi, Climate & Sustainability Community, CA ANZ, 8th September 2022. 

Public Opinion Is Not Enough to Hold Companies Accountable

'While the court of public opinion can be an effective tool to push companies to avoid involvement with human rights abuses, new research suggests in certain situations, this mechanism can be insufficient for effectively aligning incentives.


'In particular, the authors found the American public is less likely to judge companies negatively when they are involved in certain types of abuses, or when they are more distantly connected to perpetrators, meaning in certain situations, it may fail to drive companies to adhere to international guidelines.

'As such, while companies should certainly pay attention to the public, the authors argue they must not rely on public opinion alone to guide their decision-making.

'After all, standing up for human rights can sometimes come with a reputational advantage or financial rewards – but it doesn't always.

'It's leaders' responsibility to do the right thing either way.

More: <https://hbr.org/2022/09/research-public-opinion-is-not-enough-to-hold-companies-accountable> plus <https://link.springer.com/article/10.1007/s10551-022-05147-5>

Source: Ron Ainsbury, 7th September 2022. 


A Guide to Finding Hidden Beauty in the World

'From the *New York Times* bestselling author of *Eating the Sun and Lost in Translation*, a gorgeously illustrated love letter to everything which is beautiful, and a manifesto for those who are struggling to remember or recognise what beauty is.

'People are increasingly baffled as to what they can call beautiful, what they should call beautiful, and whether or not they are able to apply beautiful to themselves or to the things around them. Our outdated yet hugely pervasive modern notions of beauty provide one of the greatest sadnesses of all – an intensely human emptiness we are mistakenly trying to fill with objects and hollow promises.

'To be able to find our way back to beauty is a deceptively urgent task in the world today. Everyone deserves revelations, the kind which are daily, hugely personal, and very often ephemeral. We are surrounded by beauty – beauty which isn't something we can buy: ...

More: <https://bookshop.org/books/everything-beautiful-a-guide-to-finding-hidden-beauty-in-the-world/9780143137061> plus www.goodreads.com/book/show/59629746-everything-beautiful 23rd August 2022, 224 pages

Source: Orion 2nd September 2022. 

Parliamentary Inquiry – Passenger Rail

Submissions close: 6th October 2022

More: www.allrailways.co.nz/rail-news plus www.allrailways.co.nz/list.html also www.allrailways.co.nz/parliamentary-inquiry.html and www.greatauckland.org.nz/2022/08/15/inter-regional-rail-inquiry/

Source: Our Action Station, 9th September 2022. 

Overselling Sustainability Reporting

“Over the past 20 years many forward-thinking academics, consultants, executives, and NGO leaders have promoted a theory outlining how businesses can prosper while pursuing a greener and more socially responsible agenda. These people, whom I refer to collectively as ‘Sustainability Inc.’, believed if companies committed to measuring and reporting publicly on their sustainability performance, four things would happen:

1. Individual companies’ social, environmental, and governance (ESG) performance would improve (because what gets measured gets managed).
2. A link tying companies with better sustainability records to better equity returns would emerge.
3. Investors and consumers would reward companies with strong sustainability performance – and put pressure on those which lagged.
4. Ways to measure social and environmental impact would become more rigorous, accurate, and widely accepted.

“Over time, this virtuous cycle would result in a more sustainable form of capitalism.

“A casual observer might think this approach is working. In 2011 the authors of an HBR article titled ‘The Sustainable Economy’ expressed confidence sustainability would soon ‘simply be how business is done’. To some extent, they’ve been proven right: The number of companies filing corporate social responsibility (CSR) reports which use the GRI (Global Reporting Initiative) standards – the most comprehensive ones available – has increased a hundredfold in the past two decades. Meanwhile, according to the Global Sustainable Investment Alliance, socially responsible investment has grown to more than \$30 trillion – one-third of all professionally managed assets.

“However, a closer look at the evidence suggests the impact of the measurement and reporting movement has been oversold. During this same 20-year period of increased reporting and sustainable investing, carbon emissions have continued to rise, and environmental damage has accelerated. Social inequity, too, is increasing. For example, in the United States the gap between median CEO compensation and median worker pay has widened, even though public companies are now required to disclose that ratio.

“It turns out reporting is not a proxy for progress. Measurement is often nonstandard, incomplete, imprecise, and misleading. And headlines touting new milestones in disclosure and socially responsible investment are often just fanciful ‘greenwashing’ (in the coinage of Duncan Austin, a former ESG investment manager). Worse yet, the focus on reporting may actually be an obstacle to progress – consuming bandwidth, exaggerating gains, and distracting from the very real need for changes in mindsets, regulation, and corporate behaviour..... [Long article with case study.]

More: <https://hbr.org/2021/05/overselling-sustainability-reporting> May 2021

Source: Editor, 13th September 2022.

Biofuel Mandate is ‘Greenwashing’ – Govt. Urged to Drop Policy

“Environmental advocates say the government's plan to introduce biofuel into petrol and diesel is greenwashing and will actually contribute to an increase in global emissions. ...

More: www.rnz.co.nz/national/programmes/ninetoon/audio/2018853518/biofuel-mandate-is-greenwashing-govt-urged-to-drop-policy 25:00 minutes, 15th August plus <https://community.greenpeace.org.nz/petitions/don-t-burn-our-future-stop-the-nz-biofuels-obligation>

Source: Oxfam, 9th September 2022.

ESG Reporting Portal for Corporates Launched in Singapore

“Singapore Exchange (SGX) and the Monetary Authority of Singapore (MAS) have launched an online sustainability reporting portal aimed at streamlining disclosure for corporates and improving data quality.

“Called ESGenome, the disclosure portal will be offered free to companies listed there on a voluntary basis, for now, SGX and MAS said in a joint press release on Monday (12th Sept). Investors and financial institutions will also have access to the environmental, social and governance (ESG) data of companies and compare them.

“..... effective ESG reporting is important for companies to manage their business risks and also a powerful tool to attract investors and financing.

“Companies can upload their ESG disclosures onto the platform based on the reporting frameworks they have adopted, including customised metrics. Because the platform has mapped out a number of different reporting frameworks, an input provided for one framework is automatically matched to similar requirements in other frameworks The frameworks include the set of 27 core ESG metrics SGX has recommended issuers use as a starting point for sustainability reporting.

More: www.businesstimes.com.sg/companies-markets/sgx-mas-launch-esg-reporting-portal-for-corporates

Source: The Edge Singapore, 13th Sept. 2022.

How Much Value is Your Sustainability Strategy Creating?

“In an increasingly volatile and unpredictable world, business leaders are being expected to take more responsibility for their non-financial impacts.

“Employees, customers, suppliers and investors are looking closely at the sustainability performance of the brands and businesses they support. Developing an effective strategic framework ensures organisations have a clear and shared plan for making decisions; a plan based on sound thinking about what sustainable value creation actually looks like for organisations, navigates the challenges of today, captures the opportunities of tomorrow; and provides a clear pathway towards long-term success.

“The course provides a solid introduction to the Future-Fit Business Benchmark – a powerful, open-source tool; and highlights how to choose the right tools and frameworks (e.g., GRI reporting, the SDGs, Impact measurement, certifications etc) to complement your strategy. ...

When/Where: 16th and 17th November 2022. Auckland.

More: <https://proxima.global/courses-and-training/future-fit-business-strategy>

Source: Simon Harvey, 2nd Sept. 2022

Visualising the Science of Climate Change

“Ever notice how most reports are complex, clunky and filled to the brim with jargon?

“John Lang has come to the rescue with a one-page infographic, distilling the latest IPCC report with clarity and creativity. The IPCC report provides objective information about climate change to governments and suggests mitigation options.

“We love a good report, don't get us wrong. But if we want more people to learn and care about the effects of climate change, shouldn't we make the info more accessible to them?

“If you want to understand the 6th IPCC report without reading more than 2900 pages, check out the infographic.

More: <https://eciu.net/analysis/infographics/ipcc-science-of-climate-change> “If a picture is worth a thousand words, a 750,000 word IPCC report is logically worth 750 pictures.”

Source: Go Well newsletter, 2nd Sept. 2022.


Asking Hard Questions Where Business Interests and the Public Good Conflict

“As the climate crisis intensifies, New Zealand faces some serious questions, for example;

- Should lobbying be controlled?
- Should the advertising of carbon-intensive products be banned?
- When should business be excluded from government committees?
- How should the public be better informed about the environmental performance of industry?
- What sanctions should apply to scientific disinformation?
- When is it not acceptable to take funding from carbon-polluting companies?

“An article, published in *The Conversation*, suggests some dramatic measures, perhaps regulation or legislation, may be warranted. Others assert using the Emissions Trading Scheme provides the most effective impact on business.

More: <https://theconversation.com/in-a-climate-crisis-how-do-we-treat-businesses-that-profit-from-carbon-pollution-188810>

Source: IPANZ E-Update, 13th September 2022. 

Editor: Refers to Ford launching the ‘New Zealand Drives A Ranger’ campaign for its mainly diesel-powered, high-emission double cab ute. [The Ranger remains the country’s top-selling new vehicle, and average CO2 emissions of the new line are higher than before through the inclusion of a V6 model.] Compared on the other hand to climate action requiring rapid, deep reductions in greenhouse pollution.

How to Think About the Future – Localism, Adapting/Repurposing, Triage and a New Skillset

“Murray Grimwood specialised in being a Generalist. He left school with a School Certificate, but reckons he’s attended more lectures since than many a student.

“He has served on a County Council, and on the forerunner of what became a Regional Council, doing time on Planning Committees at both levels. He has served on a Landcare Committee, several NGOs and several sports clubs, and is a member of Wise Response.

“Murray first read of the *Limits to Growth* in 1975, aged 20, the *McGraw-Hill Encyclopedia of Energy* soon after with its chapter by Hubbert. This triggered a lifetime of research, traversing two passive-solar houses, a 40-acre forest, a largely self-sufficient lifestyle, and more than 20 years off-grid. For the last 14 years, he has been a columnist, 10 of those years with *Lifestyle Block Magazine*. He says he does what he does, for his grandchildren...

“Background material

When/Where: 7:00 – 8:30pm Wed. 5th October. Online

More: www.ourclimatedeclaration.org.nz/how_to_think_about_the_future


Source: Our Climate Declaration, 12th Sept. 2022 

Floating Solar Farms Are a Game Changer

“The sun’s power is virtually infinite — opportunities to collect and make use of it are not. As demand for renewable energy increases, so does the need for places to generate it.

“But over the last few years, a technological evolution has resulted in solar farms that take up no land at all.

More: <https://reasonstobecheerful.world/floating-solar-farms-green-energy-portugal/>

Source: reasons to be cheerful, 14th Sept. 2022. 

How to Make ESG Real

“The ‘how’ of a company’s environmental, social, and governance (ESG) proposition starts with recognising what companies should be solving for: maintaining and reinforcing their social license to operate, in the face of rising externalities. Rising scrutiny of how companies address ESG means a robust approach is more critical than ever, irrespective of whatever name one may choose to give to the attempt to address these externalities, whatever contours one may define for them at a given point, and whatever organisational or governance construct one may put in place for them. Indeed, we believe one may be agnostic to the term ESG but not to its underlying concerns.


“Not all aspects of ‘E’, ‘S’, and ‘G’, however, are priorities for all companies, and it is unrealistic to expect companies do not have to make hard trade-offs within and among ESG dimensions, or they can lead on every topic. It is therefore instructive to observe companies which approach ESG in a rigorous, strategy-driven, socially attuned way. We call these organisations ‘forward-looking companies’. They make ESG intrinsic to their strategy by defining, implementing, and refining a carefully constructed portfolio of ESG initiatives which connect to the core of what they do. Forward-looking companies also contribute to a competitive landscape where good corporate citizenship is marshalled against existential challenges, not least – but not only – climate change.

“When a company determines the dimensions of ESG where it wishes to be good and where it wishes to be excellent, it is making important decisions, with broader second- and third-order consequences. Forward-looking companies approach ESG decisions by seeking to gain a deep, evidence-based understanding of their own business and its broader potential effects. Since by now every major company has begun to embark on an ESG journey, and many have significant programs already under way, it is helpful to consider ESG progress in the context of a maturity curve. The ESG practices of today’s large companies generally cluster along three levels of ambition

“Most companies are engaged in an ESG journey. But a culture of continuous improvement in ESG is unlikely to take hold at a company unless ESG is not just taken seriously but systematised and tightly linked to the company’s purpose. Forward-looking companies approach ESG in a rigorous, evidence-based, and well-considered way. They increasingly and deliberately incorporate and advance ESG considerations as core to their business model – to enable a more sustainable business and to make ESG real.

More: www.mckinsey.com/business-functions/sustainability/our-insights/how-to-make-esg-real 10 pages


Source: McKinsey Highlights, 4th September 2022.

Editor: As an adjunct, see ‘Does ESG really matter—and why?’ at www.mckinsey.com/business-functions/sustainability/our-insights/does-esg-really-matter-and-why? Although excellent articles, neither seems to address the fundamental reasons for considering ESG. 

What are Scopes 1, 2 and 3 of Carbon Emissions?

An extensive article explaining why reducing carbon emissions is a business imperative and what the three scopes are, why measure them and the difficulties of doing so, especially for Scope 3 which comprises 90% of the emissions for many entities. Thus the difficulties of measuring and reporting on them.

More: <https://plana.earth/academy/what-are-scope-1-2-3-emissions/>

Source: Kit Withers, 13th September 2022. 

Milking the Planet

"Thirteen of the world's largest dairy corporations combined to emit more greenhouse gases (GHGs) in 2017 than major polluters BHP, the Australia-based mining, oil and gas giant or ConocoPhillips, the United States-based oil company. Unlike growing public scrutiny on fossil fuel companies, little public pressure exists to hold global meat and dairy corporations accountable for their emissions, even as scientific evidence mounts that our food system is responsible for up to 37% of all global emissions.

"For a real climate revolution in the agriculture sector, governments have to fundamentally transform farm and climate policy in a way that shifts power away from these corporate drivers towards agroecological systems which empower rural producers to do the right thing for their families, communities and the planet.

More: www.iatp.org/milking-planet 15th June 2020

Source: Kit Withers, 13th September 2022.

Editor: Very long article. xGraphs. References to NZ.

Large Increase in NZ's CO2 Emissions from International Flights

"Carbon dioxide emissions from passenger travel to and from New Zealand rose by 60% from 2007 to 2017, a University of Otago study has revealed.

"When split into the components from international visitors and New Zealand residents, the increases were 48% and 86%, respectively.

"Total combined passenger numbers and distance travelled only rose by 46% over this period, so the 60% rise in passenger emissions surprised the researchers because of expectations that aeroplanes have become more efficient over time.

"In the study, published in *Environmental Research Communications*, the researchers used commercially sensitive fuel use, comparing it to data from earlier research, developing an emissions calculation method which can be applied for both passenger and freight emissions to other nations or regions.

"New Zealand's emissions factor for short-haul travel has remained relatively constant since 2007, at 0.81 kg CO2 per t-km, while the long-haul emissions factor increased by 14% to 0.79 kg CO2 per t-km in 2017.

"Knowing the impact burning fossil fuels has on the climate, Dr Smith finds it concerning there is not an internationally agreed way to effectively deal with the aviation emissions.

"Globally, aviation accounts for more than 2% of global emissions – if aviation were a country, it would be one of the top 10 emitters of greenhouse gases – but no country is liable for international aviation emissions.

"The issue is domestic aviation emissions were subject to Kyoto Protocol liabilities, but international aviation emissions were not, nor are they directly addressed by the Paris Agreement. Global ambitions to limit climate change rely on quantification of emissions, but it is very challenging to access data to estimate international aviation emissions associated with individual countries.'

More: www.otago.ac.nz/news/news/otago0232536.html plus <https://iopscience.iop.org/article/10.1088/2515-7620/abf15d> 21 pages, 1.11Mb

Source: Bridget Acton, Climate & Sustainability Community, CA ANZ, 6th September 2022.

Battery Breakthrough: Cheap Alternative to Lithium-ion

More: <https://news.mit.edu/2022/aluminum-sulfur-battery-0824> plus www.nature.com/articles/s41586-022-04983-9

Source: Forever Project, 9th September 2022.

Climate Advocate King Charles III Takes Throne

Provides an outline of the more than 50 years of his advocacy and lobbying for environmental policies.

More: www.climatechangenews.com/2022/09/09/as-queen-elizabeth-ii-dies-climate-advocate-king-charles-iii-takes-throne/

Source: *Climate Home News*, 10th Sept. 2022.

Students Leading the Way in Tackling Climate Change

"A group of Auckland schools are leading the way to help tackle climate change and create a more sustainable future for New Zealand.

"In the next 18 months, 10 schools will be participating in student led decarbonisation initiatives with the hope the lessons they learn can be shared to support schools across the country.

"The Students Decarbonising Schools programme aims to harness the power and energy of young people to act as influencers and educators – meaning the impact of this project will be seen not only in their schools but within their homes and wider community. ...

"A key driver for this project is students consistently tell us they want a greater focus on sustainability education and for climate action to be integral to their school curriculum.

"They want to be empowered and supported to take climate action on the issues which matter to them and their communities. This project would inspire hope with youth knowing their voice is being heard and listened to, and empower them to take their learnings back to their families and communities', ..

More:

<https://ourauckland.aucklandcouncil.govt.nz/news/2022/09/students-leading-the-way-in-tackling-climate-change/>

Source: Bridget Action, Climate & Sustainability Community, CA ANZ, 6th September 2022.

Environment Hubs Aotearoa: Collaboration for Local Solutions

Ever heard of them before? I hadn't until before provided a copy of their 2021/2022 annual report.

"Environment Hubs Aotearoa is a charity whose members are independent local community hubs which provide practical support for people to look after themselves, their neighbours and their environment. Each of our members has strong local connections and individual strengths. In 2015 we created a national organisation which allows us to share our vast experience with each other and better empower more New Zealanders to create a thriving and sustainable Aotearoa.

Their vision is 'The people of Aotearoa, New Zealand, are inspired and enabled to create sustainable, resilient and thriving environments.'

With a mission 'to collectively empower our members to engage and inspire sustainable action and outcomes in their communities'

Through their partners they engage with over 950 organisations through collective action networks up from 247 in 2020/2021 and in 2021/2022 distributed \$1.25M of funding from MFE.

See the web of webs on page 16 of their just released 36 page annual report.

More: www.environmenthubs.nz plus <https://padlet.com/projects8/EnvironmentHubsAotearoa/wish/2254005456>

Source: Kaipatiki Project, 6th September 2022.

Built Environment Sustainability Frameworks Commonly Used in New Zealand

"The built environment contributes 20% of New Zealand's emissions. Building better has the potential to improve health, reduce emissions, and improve resilience to climate change. A plethora of standards, rating tools and frameworks have emerged to help benchmark and measure various aspects of sustainability with some focussed more on occupier and tenant comfort. Aotearoa's property, construction and investment markets are increasingly adopting these tools to measure and verify that building assets – both residential and non-residential – are demonstrating a level of performance that clients and investors are looking for.

"This Ratings Snapshot provides an overview of the different rating tools available in Aotearoa and their key objectives, scope, governance and assessment processes.

"Given the ever-evolving nature of these tools, this document is not designed as a comprehensive compendium of all sustainability rating tools. Rather, it is intended to provide stakeholders with an overview of the rating tools available in New Zealand and how they may be applied.

"The document covers tools across the property sector. Urban communities and infrastructure are also included to reflect New Zealand Green Building Council (NZGBC) and Property Council New Zealand's policy priorities and the interests of our broad member and stakeholder bases.

More:

www.nzgbc.org.nz/Attachment?Action=Download&Attachment_id=62632 21 pages, 2.4Mb

Source: NZGBC, 8th September 2022.

Shock Decision to Green-light Deep Sea Mining Slammed

"Deep sea mining could begin in the Pacific as early as this month, after regulators decided to allow The Metals Company to start mining the seafloor.

"The International Seabed Authority (ISA) has granted permission to Nauru Oceans Resources, a subsidiary of The Metals Company, to begin exploratory mining in the Clarion Clipperton Zone between Hawaii and Mexico.

"According to the *Financial Post*, about 3,600 tonnes of polymetallic nodules are expected to be collected during the trial beginning later this month with an expected conclusion in the fourth quarter of 2022

"The Legal and Technical Commission, which approved this mining pilot, meets entirely behind closed doors, allowing no room for civil society to hold them to account. This mechanism is simply unacceptable.'

More: www.rnz.co.nz/international/pacific-news/474651/anger-as-company-gets-go-ahead-to-mine-on-seafloor

Source: Greenpeace NZ, 13th September 2022.

Auckland Climate Festival – October 2022

"The first ever ACF [Auckland Climate Festival] brought together over 75 events focused on climate action in October 2021. This year, we're expecting more than 50,000 Aucklanders to attend a diverse range of events, initiatives and activations running across the whole month of October.

"100 events – some more than once, starting with the Official Launch;

- 2022 NZILA Firth Conference
- 2035 Oceania Summit
- Achieving Paris: The En-ROADS Interactive global climate policy simulator
- An evening of climate wins: Stories of collective action & citizen engagement

- Aotearoa New Zealand Climate Standards
- Athletes for Nature
- Auckland run4reef
- AUT Bike Maintenance Workshop
- AUT Guided E-Bike Rides
- B Corps: Businesses as a force for bold climate action
- Backyard Battle: Engage in real-world data collection and meaningful action towards Keeping New Zealand Beautiful
- Being a good ancestor: Using the Moonshot Map to help future generations with climate resilience
- Biketober
- BLAKE Inspire for teachers
- Building a low carbon movement
- Building community preparedness to protect Auckland's wildlife
- Building out waste masterclass
- Buildings for Climate Action: Delivering on the Opportunity
- C40 Green and Thriving Neighbourhoods and Low carbon Neighbourhoods in NZ
- Capturing imagination – Where can storytelling, art and citizen science lead?
- Carbon Footprint for Business
- Circular design and thinking in systems
- Climate action in the rural sector
- Climate Capability: Priority Actions - Workshop 3
- Climate Capability: The Science - Workshop 1
- Climate Capability: The Solutions - Workshop 2
- Climate change researchers' perspectives on climate change
- Climate drinks
- Climate Ready Classrooms: Helping teachers create Aotearoa's next generation of carbon literate ambassadors
- Climate resources Padlet: for teachers wanting students to take climate action
- Climate Snort
- Companion Planting Demonstration Table with OMG (Organic Market Garden)
- Creating a better Auckland through the transformation of transport
- Creatives for Climate Aotearoa – Connect globally, act locally
- Degrowth
- Design for conservation: Envisioning a NZ-wide seed library
- DIY Rainwater Harvesting
- Do good feel good in Puketāpapa Mt Roskill
- Drawdown: Solving the climate crisis with Paul Hawken
- Driving organisational decarbonisation
- Dunkirk Pump Station - Low Carbon Infrastructure Tour
- Early Learning Activation: What's my carbon footprint?
- Earth Pottery
- e-Bike Guided Ride
- Envisioning the Future of Native Forests - O Tātou Ngahere Panel
- Eye on Nature Creative Arts Exhibition
- Fair food – Food sorting volunteer opportunity
- Film Screening: Land Radius|2

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- Food for thought: Creating resilient food systems
- Food Truck Wednesdays: The Plant-Based Edition
- For The Love Of Bees, Farmers in the Field, Season Two
- From the inside out - Climate Action in Daily Life
- Funders and Climate Action in Aotearoa – A new commitment and a web resource
- Future Voices: The youth's perspective on the future of climate
- Gardening as Climate Action: Your guide to the urban growing revolution
- Getting grants for community climate action
- Green Clinics
- Grow sustainably, together – The Future Communities of Uptown
- How carbon measurement can influence and enhance your business
- Impact Quiz
- INFINZ Conference 2022: Navigating the Transition
- Introduction to Climate Campaigning
- Introduction to Waka Ama
- Kids upcycled crafting and DIY workshops
- Kind & Little 'Lato Plant-Based Degustation!
- Learn how to become a catalyst for socially sustainable, systemic change in the areas that you care most about
- Lightforce Academy: Partnerships and pathways to a lighter and brighter future
- Live lightly: 7-day sustainable lifestyle challenge
- Living within our limits: Green growth vs degrowth
- Local Election Scorecards
- Looking into the future backwards: Intergenerational justice and kaitiakitanga
- LowCO: A low-carbon home pilot
- M2Woman Journey To Excellence: ESG
- Mara and Para open day: Gardening and composting with Ngāti Whātua Ōrākei
- Nohonga Tuarua: Outdoor Seats Designed for Climate Resilience
- NZ Geographic Photographer of the Year exhibition
- NZAEE Conference – Tāmaki Makaurau local day
- Tātou Ngāhere Conference: Regenerating our landscape with native forest
- People, Planet, Pint
- Plant-focused dining experience
- Point Chev Beach Clean-up Community Day
- Popup Bike Fix sessions
- Radical Collaboration – Accelerating Climate Action Together
- Radically redesigning the future of business
- Rangers for the Ocean
- Rangers for the Ocean Clean-up
- RECLAIM Kōanga Spring Holiday Experience
- Recovering the Wonder of Creation: Living a Christian Theology of Creation in an Age of Disenchantment
- Recycling Week - Webinar Series - Procurement Monday
- Recycling Week - Webinar Series - Reflections Friday & Spring Clean Weekend
- Recycling Week - Webinar Series - Reusable Wednesday
- Recycling Week: Webinar Series - Rinse & Clean Thursday
- Recycling Week: Webinar Series - Waste Free Tuesday
- Regenerate 2030 with Damon Gameau
- Reusable Tuesday: Free Coffee With a Reusable Cup
- Rosedale Wastewater Treatment Plant Tour - Reducing Our Carbon Footprint
- School Holiday Sustainability Tour
- Seasonal pulse spring: Organics and kaitiakitanga
- Showcase: Believing in our future
- Silent Disco City Clean Up
- Sing for the Earth – Little Wild Animals Preview
- Spaceworks Carbon Zero Fitout Calculator Launch
- Storying our Future
- Suss or Sustainable: Fisheries in Aotearoa
- Sustainability and Environmental Career Professional Development in New Zealand
- Sustainable Film: Working With Sustainability Managers
- SW4CA Workshop: #20 Pepeha, Ancestors & Me
- SW4CA Workshop: #21 Songs That Changed the World
- SW4CA Workshop: #22 Pepeha, Ancestors & Me
- Te Ara Awataha: Jessie Tonar Scout Reserve regeneration
- Te Mana o te Moana | Hauraki Gulf Marine Park Conference
- TechCamp: Young Pacific Leaders for climate action
- The Repair Show
- The Stellar Climate Cycle
- TLI Plogging Day 2022
- To Walk Beautifully Upon the Earth: A Christian Vision of Creation for an Age of Disenchantment
- Tomorrow's Tāmaki Makaurau: A scenario planning workshop for potential climate futures
- Transitioning to a low carbon, resilient and inclusive economy in Tamaki Makaurau Auckland: opportunities and challenges
- Tree-related activities for the whole whānau!
- Ttech Future Transport Conference
- Upstream Battle: Engage in real-world data collection and meaningful action towards Keeping New Zealand Beautiful
- Urban Design Forum (UDF) AGM: Auckland Light Rail
- Using Your Money to Shape a Brighter Future
- Vector Lights for Auckland Climate Festival
- Vector Lights for World Energy Day
- Wainoni Park: Streamside restoration project
- Walk the Talk: Ancestor Edition
- What Difference Will It Make?: A Theatrical Inquiry
- What does carbon neutral really mean? Clarifying terminology in climate claims
- Witness: See, Experience, Testify
- Workshop: Product stewardship in your business
- Zero Carbon Breakfast with All Good and friends

When/Where: 5:30 – 8:30pm Friday 30th September – <https://aucklandclimatefestival.vercel.app/auckland-climate-festival>

More: <https://aucklandclimatefestival.vercel.app/> plus <https://aucklandclimatefestival.co.nz/home/meet-the-team/> and www.sixgenerations.co.nz/about

Source: Toitū Envirocare, 8th September 2022. 