

MEASURE AND MANAGE YOUR CARBON FOOTPRINT.

Support for
businesses to lower
their emissions

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engineering
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CALCULATING YOUR BUSINESS' CARBON FOOTPRINT HELPS YOU UNDERSTAND YOUR EMISSIONS AND IDENTIFY OPPORTUNITIES TO REDUCE THEM.

Why count carbon.

MEASURING AND REDUCING YOUR CARBON FOOTPRINT CAN HELP YOUR ORGANISATION

- Fulfil environmental and social responsibilities
- Identify inefficiencies
- Meet increased legislative and consumer demands

Climate change is a reality. It's up to us – individuals, businesses, industry, and society – to understand and manage the impact we have on our world.

Calculating your business' carbon footprint helps you understand your emissions and identify opportunities to reduce them. Carbon calculation tends to be an annual process that quantifies the annual carbon and other greenhouse gases emitted and expresses this as a carbon dioxide equivalent. ISO 14064 can then be used to audit measurements, ensuring consistency of process.

Measuring and managing organisational footprints allows businesses to meet environmental, social, and legal obligations (where applicable). It also allows organisations to identify possible inefficiencies and opportunities for improvement. All this has the potential to save businesses money and provide a competitive edge in a market that is increasingly aware of, and concerned about, climate change and environmental impacts.

Company	Overview	Tools used	Audit and/or verification options	Additional service offerings			Website
In alphabetical order				Capacity building options	Offsetting options	Sustainability strategy options	
Carbon EES	Carbon and Energy Efficiency Services (formerly known as Energy TS (Energy & Technical Services)) provide a full range of energy management services including energy management consulting, energy auditing, energy contract procurement, power factor analysis, tariff reviews and carbon emission reporting.	e-Bench (online tool) is their software as a service data repository for greenhouse gas emissions.	No. Internal systems within e-Bench cross-check data for accuracy.	Yes	No	Wide range of energy management services beyond footprint measurement available.	carbonees.com
Carbon South (and Carbon Click)	Carbon South supports organisations to audit their own carbon emissions. They focus on where reductions can be made, helping organisations develop simple and effective reduction plans. They offer a range of audit options, with a very simple and cost-effective basic measurement option available.	Spreadsheet	No	No	Recommend preferred partner CarbonClick sources certified carbon credits.	No	carbonsouth.co.nz carbonclick.com
Ekos	Ekos provides the full range of services, including scoping, measurement, review, reduction planning, and offsetting. Ekos has their own carbon offset projects (rather than sourcing from the open market). They develop indigenous forest projects in Aotearoa and the Pacific (for carbon offsets) and connect these to organisations and individuals.	Excel-based calculator personalised to your organisation.	No. Can recommend through a third party. Footprints over 100 tCO2e are independently reviewed but not verified.	Some capacity building inherent in the process.	Carbon credits are certified Indigenous forest projects.	Reduction workshop to identify opportunities for reducing organisational footprint which can support a wider sustainability strategy.	ekos.co.nz
Proxima	Proxima focuses on capability development for clients. They do not do calculations, rather they operate like an external accountant guiding organisations through the process and helping to set up in-house processes and systems.	N/A	No	Yes	No	Yes	proxima.global
SGS	SGS is an international consultancy with expertise in carbon measurement and management and a strong focus on industrial processes.	Multiple	Yes. Options available.	Yes	No	Yes	www.sgs.co.nz

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Tadpole	Tadpole, a partnership brand of Catalyst Ltd and Siempre NZ Ltd, works with clients to build-in house capability carbon measurement and management capability, stepping back over time.	Tailored spreadsheet and ACE Carbon Calculator (excel based entry level tool).	N/A – although can include verification through 3rd party (cost pass through).	Yes	N/A	Yes. Can partner in advocacy, education and assisting engagement with membership, clients, staff and supply chain.	catalystnz.co.nz siempre.co.nz
Toitū	Formerly Enviro-Mark Solutions, Toitū supports an annual cycle of registering, measuring, reducing, auditing, and reducing. They offer three certification programmes: Toitū carbon reduce (formerly CEMARS), Toitū carbonzero (formerly carboNZero), and climate positive (brand new).	Emanage – online software, tools, and templates. E-manage stores your data, calculates your footprint and can auto-generate reports.	Yes. Toitū is certified to ISO 14064 (the international carbon reporting standard). JAS-ANZ accredits Toitū Envirocare under ISO 14064, ISO 14065, ISO 14066, ISO 17065, and ISO 14001:2015. Their programmes are also in line with the GHG Protocol and PAS-2080 (where relevant).	N/A	Yes. Toitū source their own carbon credits which are Gold standard and include NZ and international credits.	Enviromark certification programme covers broader environmental aspects and impacts, including legislative and health and safety requirements. They also provide sustainability strategy reviews, scoping and materiality assessments and gap analysis.	www.toitu.co.nz
thinkstep-anz	Thinkstep-anz works across New Zealand and Australia, providing full sustainability management support from corporate carbon footprinting through to detailed life cycle assessment. thinkstep-anz calculate carbon footprints, develop reduction strategies, assist with target setting and key performance indicators, calculate science-based targets, support climate change disclosures, and provide guidance and training for staff.	Authorised reseller of Sphera's software for Corporate Sustainability and Carbon Software as well as LCA (Life Cycle Assessment) software and databases. Tailored Excel tools are also available.	N/A – not included, would be additional and external.	Yes, including software training.	N/A – can provide guidance and facilitate process with third party providers	Yes. Including engagement along the supply chain.	thinkstep-anz.com

Further information.

The following resources may be useful in your carbon management journey.

Measuring Emissions: A Guide for Organisations: 2020 Detailed Guide.

Sustainable Business Council – Quick Guide: Emissions Measurement & Management (Jan 2020).

GenLess – For Business This website, run by the Energy Efficiency and Conservation Authority (EECA) provides a wide range of resources and guides to business (and individuals) to manage their carbon footprint including:

- developing an energy management policy
- writing a strong business case
- target setting and reporting
- changes your organisation can make to transport, products, site management, and offices
- stories from other businesses who are on their carbon journey.

Climate Leaders Coalition Formed in 2018, the Climate Leaders Coalition is comprised of over 100 signatories that account for almost 60 percent of Aotearoa's emissions and 38 percent of our gross domestic product. Signatories are required to meet the commitments in the Climate Change Leadership Statement, which includes measuring and managing their emissions. Their guidance for business on how to meet these commitments, including how to engage with suppliers and employees, is also useful for business not signed up to the Coalition. Read more on their [how to meet the commitments](#) page They also have case studies.

The Institute of Directors' page on **Climate risk – key resources for boards** contains resources for directors on climate-related disclosures, and climate risk, likewise useful for businesses of all sizes.

Sustainable Business Network – Climate Resources These resources include a Climate Action Toolbox and event recordings.

The **Climate Action Toolbox** is "a simple self-assessment tool to help reduce the carbon footprint of any business... [focusing] on five key areas – transport (moving people and goods), office operations, site operations and equipment, and the design and making of products."

These resources are a great starting point for many organisations but are often generalised. For a more detailed breakdown of where your money is best spent reducing your footprint it is worthwhile undertaking the measurement process.

International Organization for Standardization (ISO) standards are international benchmarks for best practice. **The key ISO standards in this process are:**

ISO 14064-1:2018 Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals <https://www.iso.org/standard/66453.html>

ISO 14065:2020 General principles and requirements for bodies validating and verifying environmental information <https://www.iso.org/standard/74257.html>

ISO 14066:2011 Greenhouse gases — Competence requirements for greenhouse gas validation teams and verification teams <https://www.iso.org/standard/43277.html>

ISO 17065:2012 Conformity assessment — Requirements for bodies certifying products, processes and services <https://www.iso.org/standard/46568.html>

How to ride the low-carbon wave and get ahead, Josephine Rudkins-Binks from Parnell Business Association. 12 October 2021. Stuff article

This article is a good starter for those who have little to no understanding of the process, particularly aimed at small and medium businesses. It touches upon the rationale, process, and useful resources.

New tool to help small businesses measure their carbon footprint, Esther Taunton. 3 November 2020. Stuff article

Introduces Toitū's carbon access tool for suppliers and small businesses.

Thinkstep-anz runs webinars and publishes a variety of blog posts that break this process down to its basics, and then digs deeper into all things sustainability, like lifecycle assessments and the United Nations Sustainable Development Goals. Resources include:

Webinars

Blogs

Climate-Related Disclosure specific resources