



# 2024 Sustainability Report

A year of action toward a climate-positive tomorrow

Echo Technology  
Lifecycle Solutions

A background image showing a gloved hand working on electronic components, likely a laptop or server hardware, with various chips and connectors visible. The image is slightly blurred and has a dark overlay.

# Taking Waste

# Creating Worth

## A message from our CEO

At Echo, our mission has always gone beyond simply recycling electronic waste - we exist to protect and preserve Aotearoa's environment for future generations. This year, I'm proud to share a significant milestone in our journey: Echo is now officially Climate Positive certified through Ekos.

This achievement represents more than a certification. It symbolises the collective effort of our entire team, our partners, and the communities we serve - all working towards a more sustainable future. Every device responsibly recycled, every partnership formed, and every innovation we've implemented brings us closer to a circular, climate positive economy.

As we share our first-ever Annual Sustainability Report, we reflect on the progress we've made and the work still ahead. Echo is committed to continuously improving our practices, reducing our environmental impact, and helping other New Zealand businesses to do the same.

Ngā mihi nui,

A handwritten signature in black ink, appearing to read 'P. Moynahan'.

**Patrick Moynahan**  
CEO, Echo





Echo is New Zealand's largest e-waste recycler and a trusted partner in secure, sustainable technology lifecycle solutions. Formerly known as Computer Recycling, we rebranded in 2024 to reflect our evolved purpose: helping Kiwis recycle responsibly and recover the value of old electronics - securely and sustainably.

With certified facilities in Auckland and Wellington, Echo offers end-to-end services including e-waste recycling, IT asset disposition (ITAD), secure data destruction, and second-life device solutions. We're ISO-accredited, internationally recognised, and committed to reducing the environmental impact of technology waste across Aotearoa.

Sustainability sits at the heart of our business. In 2024, we completed our first greenhouse gas (GHG) emissions inventory with support from Ekos, marking the start of a long-term emissions monitoring and reduction strategy. While not required under New Zealand regulations, we see this step as essential to walking the talk - aligning our internal practices with our environmental purpose.

By understanding our own climate impact, we can better support our clients on their own journeys, build trust, and influence change at both consumer and policy levels. We're also exploring ways to measure emissions avoided through recycling, to provide clearer insights into the positive impact of responsible e-waste disposal.

Echo's mission is simple: protect and preserve the environment for future generations - and empower others to do the same.

# 2024 highlights at a glance

At Echo, every action we take is grounded in measurable impact. From the volume of material we process to the number of devices we give a second life, these figures reflect our ongoing commitment to responsible recycling, circular innovation, and low-emissions operations. Here's how we made progress in 2024.

**3.4 Million kg**

Total weight of materials received.

**86%**

Percentage of electric forklifts in use across our fleet.

**50%**

Percentage of hybrid vehicles we have in our fleet.

**191,927kg**

Weight collected from our community waste collection days.

**8,472**

Households reached through our community recycling events.

# Our baseline activity

Before obtaining our Ekos Climate Positive emissions certification, we had been progressively implementing a number of initiatives that re-inforce our commitment to reducing greenhouse gas emissions. This includes:

- Replacing more than 80% of the company's diesel forklifts with electronic models in FY2023, and adopting hybrid vehicles for staff transport.
- Implementing landfill diversion goals by promoting local reuse and recycling of e-waste and working to find alternative solutions for materials that come through our sites including packaging, sponges, and a portion of non-recyclable WEEE plastics.
- Working with Cool-Safe to ensure proper disposal of high Global Warming Potential (GWP) gases from whiteware
- Maintaining R2v3 certification, an international standard for responsible electronics recycling that ensures materials are managed with a focus on environmental protection and worker health and safety.
- Upholding a high standard within our ISO Integrated Management System, fostering continuous improvement in environmental management in line with our ISO 14001 certification.



# Our climate positive journey

At Echo, sustainability isn't just a goal - it's an ongoing journey. We're committed to redefining the lifecycle of technology by providing secure, transparent, and accessible ways to repurpose or recycle electronics across New Zealand. Now, as a certified climate-positive company, we're taking our commitment even further - ensuring that our operations not only reduce environmental impact but also actively contribute to a greener future for all New Zealanders

We are proud to have achieved Climate Positive certification for our business operations, reinforcing our market-leading dedication to going beyond compliance and driving meaningful environmental change.

As part of achieving our climate positive certification with Ekos, we completed a GHG emissions inventory using FY2024 as our baseline, and have undergone the following:

- **Identified** and classified the different sources of emissions (Scope 1, Scope 2, Scope 3).
- **Measured** and calculated these emissions through in depth data capture
- **Reported** on our emissions following the GHG protocol
- **Ensured** these emissions have been verified and undergone external auditing
- **Offset** any emissions generated by Echo business operations with certified carbon credits from Restorative Forest Projects
- **Implemented** a reduction plan to decrease Echo's CO2 emissions



# Our roadmap

Transitioned to a 100% Hybrid Vehicle Fleet for Staff

Achieved R2 Certification for Responsible Recycling Facility

Start

2023

Aim to achieve 10% reduction in CO<sub>2</sub>e intensity emissions per revenue unit (CO<sub>2</sub>e/\$M).

Aim to achieve a 15% reduction in CO<sub>2</sub>e intensity emissions per revenue unit (CO<sub>2</sub>e/\$M).

Aim to achieve Short Terms Targets 2024-2026 (see following page)

Aim to achieve Medium Term Targets 2026-2027 (see following page)

2024

2025

2026

2027

Strived to become more sustainable by integrating a strategy to cut operational waste, energy use, and CO<sub>2</sub> emissions.

Started measuring emissions under the GHG Protocol framework. Partnered with Ekos in pursuit of Climate Positive Certification.

Plan to go beyond net zero by offsetting 120% of our emissions through nature-based solutions.

Will undertake five-year plan which focuses on lowering emissions intensity by encouraging efficient practices company-wide and technology.

2028

2029

Aim to achieve a 20% reduction in CO<sub>2</sub>e intensity emissions per revenue unit (CO<sub>2</sub>e/\$M).

Aim to achieve Long Term Targets 2027-2029 (see following page)



# Looking ahead

As Echo looks ahead, we remain committed to deepening our climate-positive impact. The next five years will focus on reducing our emissions intensity while continuing to lead in responsible e-waste recycling. Our organisational emissions reduction plan prioritises operational efficiency, material circularity, and long-term sustainability - guided by annual goals to reduce CO<sub>2</sub> intensity relative to both revenue and material processed.

## Short-Term Goals (By FY2026)

- Achieve a 10% reduction in CO<sub>2</sub>e intensity emissions per revenue unit (CO<sub>2</sub>e/\$M).
- Achieve a 6% reduction in CO<sub>2</sub>e intensity emissions per material received (CO<sub>2</sub>e/Mt).
- Transition to a fully electric forklift fleet across all sites.
- Begin adoption of a more efficient staff vehicle fleet.
- Install energy-efficient lighting in all operational areas.
- Strengthen equipment traceability, particularly for items containing high-impact synthetic gases.

## Medium-Term Goals (By FY2027)

- Achieve a 15% reduction in CO<sub>2</sub>e intensity emissions per revenue unit (CO<sub>2</sub>e/\$M).
- Achieve an 8% reduction in CO<sub>2</sub>e intensity emissions per material received (CO<sub>2</sub>e/Mt).
- Continue roll-out of a more efficient vehicle fleet.
- Improve landfill diversion rates by expanding recycling streams for non-reusable WEEE (Waste Electrical and Electronic Equipment).
- Offset carbon emissions from business air travel, aligned with sustainable travel standards.
- Launch internal and external environmental education initiatives to build a low-impact, climate-conscious culture.

## Long-Term Goals (By FY2029)

- Achieve a 20% reduction in CO<sub>2</sub>e intensity emissions per revenue unit (CO<sub>2</sub>e/\$M).
- Achieve a 12% reduction in CO<sub>2</sub>e intensity emissions per material received (CO<sub>2</sub>e/Mt).
- Begin transition to electric vehicles (EVs) across the fleet.
- Collaborate with freight and logistics partners that are actively pursuing decarbonisation and emissions-reducing technologies.



# A positive future

What does 'climate positive' mean? It means that beyond neutralising our carbon footprint, we actively remove more carbon from the atmosphere than we generate. It is our response to climate change and our reduction of Green House Gas emissions.

We are continuing to expand and refine our sustainable initiatives - reducing both our carbon and ecological footprints - as we work toward minimising the long-term environmental impact of electronic waste in Aotearoa and beyond.

**237.6 tCO<sub>2</sub>e**

Our baseline emissions  
100% (FY2024)

**285.1 tCO<sub>2</sub>e**

The emissions we  
offset, 120%

## Drawa Rainforest Conservation Project

As part of our commitment to becoming a certified Climate Positive business, Echo voluntarily measures and offsets its carbon footprint through high-impact, nature-based projects. In addition to reducing our operational emissions, we invest in certified carbon credits that support long-term carbon capture and ecosystem restoration.

One of the projects we proudly support is the Drawa Rainforest Conservation Project—an award-winning, community-owned initiative on Vanua Levu, Fiji. This project protects 4,120 hectares of tropical rainforest that sequesters carbon, preserves biodiversity, and builds climate resilience. Led by the indigenous landowners of Drawa, the initiative prioritises conservation over logging, generating sustainable income through carbon credits and forest honey production. It is a powerful example of climate action that delivers both environmental and social benefits.



**Echo Technology Lifecycle Solutions**  
Sustainability Report 2024

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