



PROSPEROUS NAPIER COMMITTEE

Open Attachments (Under separate cover 1)

Meeting Date: Thursday 29 August 2024

Time: Following Napier People and Places Committee

Venue: Ocean Suite
East Pier Hotel
Nelson Quay
Ahuriri
Napier

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NAPIER CITY COUNCIL
DRAFT
EMISSION
REDUCTION PLAN
2025-2035



Executive Summary

This document sets out our initial plan for how Napier City Council will reduce greenhouse gas (GHG) emissions at an organisational level and facilitate a reduction in community emissions working towards a net zero by 2050 target.

Achieving a target of net zero carbon emissions requires aspirational change, and the sooner we get started, the more time we have to make the fundamental behavioural and operational changes that are needed to achieve this goal.

Climate change requires all individuals, businesses, communities and government to take prompt action to do their part in limiting global warming. It requires era-scale change that cannot be achieved solely through local government action. For this reason, Napier City Council has joined forces with Hastings, Wairoa, Central Hawkes Bay, Hawkes Bay Regional councils' and mana whenua in the Climate Action Joint Committee. This committee is developing a climate action work programme for the region.

Our efforts to reduce council's own emissions are an important demonstration of our commitment to net zero and role models efforts that we hope other organisations will take to reduce their carbon footprints. Our first step is to get our house in order.

Napier City Council can also influence city-wide emissions through regulation and the construction and maintenance of infrastructure - such as roads and cycleways, by providing information and incentives, developing partnerships and leading by example.

This is an initial plan, while we set ourselves up for success. The plan will need to be revised over the coming years, as we improve our understanding of emissions associated with the services Napier City Council delivers and the infrastructure we invest in, take account of new government initiatives and new technologies and respond to priorities identified by the Climate Action Joint Committee.

Delivering action between now and 2035 aligns this plan with our current three-year plan 2024-2027, the next long-term plan 2028-2037, and our national emission reduction budget periods through to 2035. Our emission reduction actions sit under the financially sustainable strategic priority with actions spread across all areas of council operations.

We are ensuring the infrastructure we build like Te Aka and the refurbished Library Tower are designed and built with a focus of whole of life cycle impacts. Our infrastructure will use industry leading tools to review, quantify and measure low carbon options through the project lifecycle. We are collaborating with suppliers to trial and roll out lower carbon materials in our projects, delivering emission reduction across the supply chain.

We are working to reduce emissions from our own facilities, by replacing fossil fuel gas with alternative low-carbon energy sources and looking closely at energy efficiency and waste heat opportunities.

We are planning to transition Lagoon farm from agricultural activities to the Ahuriri Regional Park. This will reduce our agriculture emissions while improving stormwater treatment and water quality, providing flood resilience and enhancing long-term 'blue' carbon sequestration in coastal wetlands.

We're transitioning our fleet to hybrid and electric vehicles and partnering with others to provide more electric vehicle charging infrastructure in Napier. We've supported low carbon transport options by partnering with Beam Scooter and Locky Docks secure e-bike parking. Our future plans include offering staff other alternatives for commuting and developing a staff travel demand management plan.

We are working with Hastings District Council on our next joint waste minimisation and management plan, which will include initiatives to reduce organic waste to landfill, in line with central government targets.



If we can achieve our aspirations as outlined in this plan, we will be on the right track to reduce our organisational emissions in line with what is required to achieve our net zero emissions target by 2050. Our efforts as a council will also support a reduction in Napier’s community emissions – particularly transport emissions, which at 57 percent of the city’s total emissions are the largest source of emissions.

Our actions will not only have carbon reduction and resilience benefits but broader positive outcomes: active transport not only reduces emissions but also promotes physical and mental wellbeing for our staff and community; planting trees and wetland restoration improves carbon sequestration and has biodiversity and recreational benefits.

Between now and 2035 we will be simultaneously reducing our carbon emissions and building our climate resilience so that our city can manage the effects of climate change and support our strategic priorities to be financially sustainable and for Napier to be a resilient city.

Timeline of key actions

Below is a timeline of key actions to reduce Napier City Council’s organisational greenhouse gas emissions.

ERP Action#	Category	ER per year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	
10	Energy	115	Ocean Spa Boiler											
11		508	Gas phase out plan		MTG?	Aquatic Centre?		Aquarium?		Kennedy Park?		Conference?	Municipal?	
12		40-80	Audits	Implement audit recommendations										
13, 14		46	LED Lighting upgrades							Lighting control system				
15		TBC	Wastewater Heat Map & Recovery											
17	Buildings & Construction	~ up to 80%	Te Aka, Tower Refurbishment											
18		TBC	MOATA Assessments: low carbon design for horizontal infrastructure											
19,20,21		TBC	Low carbon materials: emulsion chip seal, warm asphalt, low emissions concrete, recycled asphalt, bio bind, low emission steel											
22		TBC	Refrigerants stocktake	Low GWP refrigerants as assets renewed										
23	Waste	264	WMMP actions to reduce organic waste to landfill 30% by											
24,25		3102 445	UEF	Site specific WWTP GHG	WWTP Master Plan									
25	Land	1,088	Lagoon farm transition to Ahuriri Regional Park							Blue Carbon removals <u>quantified</u>				
26		TBC	Enhanced native planting on council reserves & carbon removals <u>quantified</u>											
28	Transport	433	Light fleet 35% EV by 2030							Fleet 50% EV by 2035				
30		45	Micro mobility: Beam, Locky Docks, Liffano, Workride, public transport, dedicated car pool car parks											
29		~	Public EV Chargers											
1	Leadership	Enables GHG Reduction	Climate Action Joint Committee											
2,3			Zero Carbon Policy	Council decisions papers include climate <u>considerations</u>										
4			Partnerships: EECA / Meridian / Water NZ / GBC / ACCN / Suppliers & Commercial businesses											
5			Staff Education on climate change											
6,7		6,392	Drive innovation and carbon reduction through procurement and supplier engagement – enables scope 3 GHG <u>reductions</u>											
8			Measure / report / communicate our <u>progress</u>											
9			Council district plan, by laws, code of practice for subdivision to enable emission <u>reduction</u>											



OUR EMISSIONS

Council's GHG Emissions

Under the Financially Sustainable strategic priority a comprehensive organisational greenhouse gas (GHG) inventory was prepared using 2023 data and in alignment with the ISO14064 reporting standard. This inventory was independently verified, ensuring it was accurate and included all material emission sources, and now forms Napier City Council's baseline for reporting purposes.

Council's activities in 2023 resulted in 36,112 tonnes of greenhouse gas emissions. This includes the energy council uses in its facilities, buildings and streetlights, the petrol and diesel used by vehicles and equipment, wastewater treatment, farming at Lagoon Farm, waste going to landfill, emissions associated with building and maintaining infrastructure, delivering services like kerbside waste and recycling collections, and the procurement of goods and services.

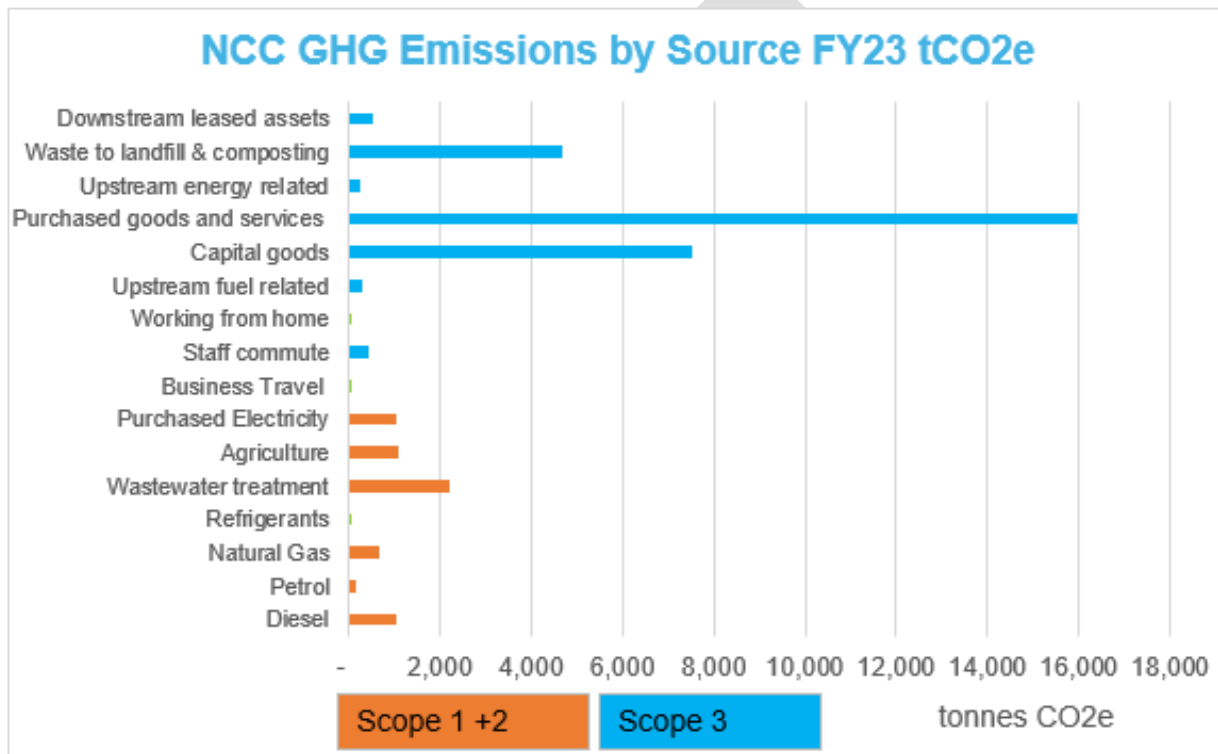


Figure 1: Sources of Napier City Council's corporate greenhouse gas emissions

Note: The council's procurement-related emissions are currently based on money spent multiplied by an industry-wide emissions factor. We will be looking to improve the accuracy of this information as one of our actions outlined in this plan.



EMISSION SOURCE		FY2023
SCOPE 1 CATEGORY 1: DIRECT GHG EMISSIONS	Category	t CO₂e
<i>Fuel Use in Mobile Combustion</i>		
Diesel	1	1,054
Petrol	1	182
<i>Fuel Use Stationery Combustion</i>		
Natural Gas	1	680
<i>Fugitive Gas</i>		
Refrigerants	1	30
<i>Biogenic emissions</i>		
Wastewater treatment	1	2,225
Agriculture	1	1,088
Category 1: Direct GHG Emissions		5,258
SCOPE 2 CATEGORY 2: INDIRECT GHG EMISSIONS IMPORTED ENERGY		
Purchased Electricity	2	1,068
Category 2: Indirect GHG Emissions Imported Energy		1,068
Total Category 1 + 2		6,326
SCOPE 3 CATEGORY 3: INDIRECT GHG EMISSIONS TRANSPORTATION		
<i>Category 3: Indirect GHG Emissions from Transportation</i>		784
Business Travel	3	47
Staff commute	3	445
Working from home	3	4
Upstream fuel related	3	289
SCOPE 3 CATEGORY 4: INDIRECT GHG EMISSIONS FROM PRODUCTS USED		
<i>Category 4: Indirect GHG Emissions from products and services used</i>		28,453
Capital goods	4	7,505
Purchased goods and services	4	15,979
Upstream energy related	4	270
Waste to landfill & composting	4	4,700
SCOPE 3 CATEGORY 5: INDIRECT GHG EMISSIONS FROM USE OF PRODUCTS		
<i>Category 5: Indirect GHG Emissions from use of products from organisation</i>		549
Downstream leased assets	5	549
Total Category 3 + 4 + 5		29,786
TOTAL GHG Emissions (all Categories) TONNES CO₂e		36,112

Table 1: Napier City Council's corporate greenhouse gas emissions

