

WHAT'S THE SOLUTION TO CLIMATE CHANGE?



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Āpōpō, Whangārei Branch Event
Climate Adaptation and Resilience in Asset Management
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Northland
REGIONAL COUNCIL 
Te Kaunihera ā rohe o Te Taitokerau

CLIMATE CHANGE – WHAT’S THE PROBLEM?

Our collective actions drive the relentless rise in greenhouse gas emissions that are changing our climate which in turn impacts all humanity.

Climate change is fundamentally rooted in human behaviours and expectations.

CLIMATE CHANGE – WHAT’S THE SOLUTION?

“It's up to all of us to demand more of ourselves and our politicians.” – Rod Oram

Individual AND collective action

WHAT CAN
COUNCIL DO



CLIMATE CHANGE – WHAT IS COUNCIL'S ROLE?

- Councils have unique **accountabilities** for helping build climate resilience and adaptive capacity within communities. Specific statutory responsibilities include:
 - to avoid or mitigate natural hazards (LGA)
 - to have regard to the effects of climate change when making certain decisions (RMA)
 - identify, assess, manage, consult, communicate on risks and implement risk reduction (CDEM Act)
- Council has a **responsibility** to transition to net-zero emissions (Zero Carbon Act)
- Climate change **impacts** are being felt in Taitokerau and will increasingly disrupt our water, land, ecosystems, people and economy.
- Councils play a **leadership** to help our communities' transition, adapt and be resilient.

CLIMATE CHANGE – WHAT IS COUNCIL DOING?

7 Regional Net Zero

Regional net zero initiatives are supported by Northland councils

6 Organisational Net Zero

Council reduces its emissions by 90% and become net positive by 2050

5 Adaptation planning

The risks to the region associated with climate change are reduced through adaptive planning responses.

4 Mātauranga, Science & Risk assessments

The risks to the region associated with climate change are well understood and used to inform council process and adaptive planning.

3 Embedding Climate Change in Council

Climate change is embedded in Council's business as usual activities.

2 Communications & relationships

Northland communities, and Iwi / hapū groups are aware of climate change risks and are actively involved in adaptive planning.

1 Governance, resource & programme management

Councils establish and maintain effective governance, funding and resources arrangements to respond to climate change.

CLIMATE CHANGE – WHAT IS COUNCIL DOING?

7

Regional Net Zero

- Regional greenhouse gas inventory
- Blue-carbon stocktake (peatlands/wetlands)
- EECA's Regional Energy Transition Accelerator (RETA) advocacy
- Regional Economic development strategy
- Supporting land-owners with on-farm removals
- Regional EV charging infrastructure
- Climate action for businesses
- Regional Net Zero task group

CLIMATE CHANGE – WHAT IS COUNCIL DOING?

6

Council Net Zero Planning

- Emissions reduction and carbon removal / offsetting planning
- Annual corporate carbon footprint

Council emissions reduction initiatives

- Carbon Reduction: NRC Buildings
- Carbon Reduction: NRC Bus Fleet
- Carbon Reduction: NRC Vehicle Fleet
- Carbon Reduction: NRC Maritime Fleet
- Net Zero Procurement Policy

CLIMATE CHANGE – WHAT IS COUNCIL DOING?

4

Mātauranga Māori

(Water) Resilience

Natural Hazards

Natural Environment

Public Infrastructure

- Bi-cultural understanding of risks and consequences
- Fresh water resilience programme
- Drought vulnerability assessment
- Coastal aquifers threat assessment
- Coastal hazards investigations
- Regional risk portal
- River flood hazard risk reduction
- Wildfire hazard risk assessment
- Rain radar and flood forecasting
- Coastal blue-carbon stocktake
- Climate impacts scientific review
- Biodiversity Risk assessment
- Marine habitat – providing bird migration
- Future biosecurity threat assessment
- Infrastructure Risk
- Lifelines Risk assessment
- Regional roading risk and resilience

CLIMATE CHANGE – WHAT IS COUNCIL DOING?

5

Regional adaptation

- Climate resilience fund delivery
- Community drought adaptation options
- Flood-risk reduction programme
- Regional road resilience plan
- CoastCare Dune Restoration
- On-Farm adaptation support

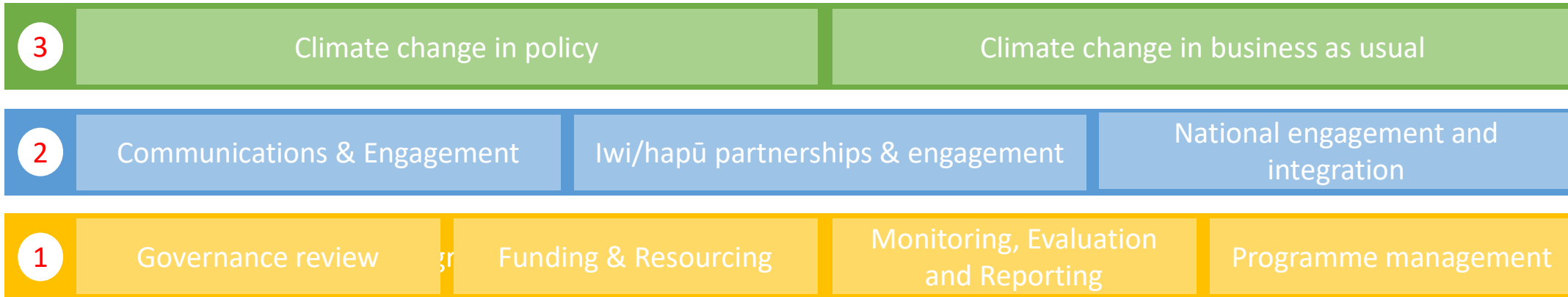
Iwi/hapū adaptation planning

- Iwi/hapū focussed adaptation planning
- Māori adaptation impact assessment

Community-led adaptation planning

- Community adaptation technical support
- Regional adaptation planning (programme)

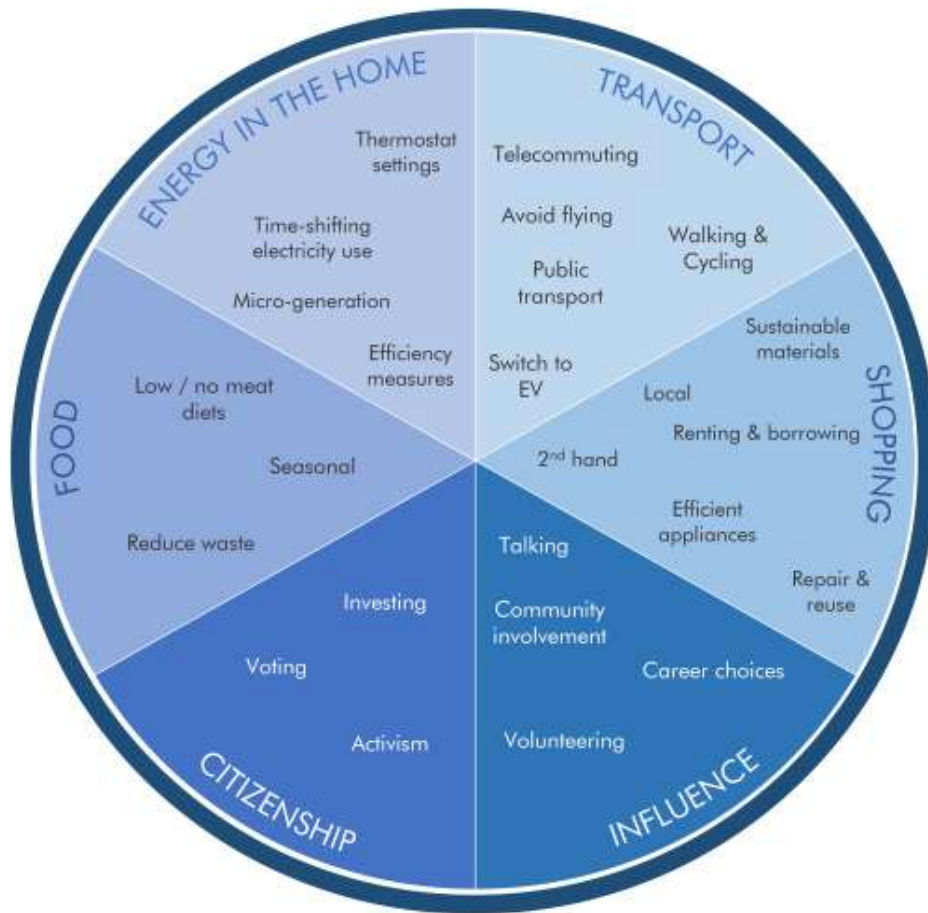
CLIMATE CHANGE – WHAT IS COUNCIL DOING?



WHAT CAN YOU DO



CLIMATE CHANGE – WHAT IS YOUR ROLE?



Choices for climate action: A review of the multiple roles individuals play.
Sam Hampton, Lorraine Whitmarsh
(Published Sept 2023)

1 MEASURE YOUR GREENHOUSE GAS EMISSIONS?

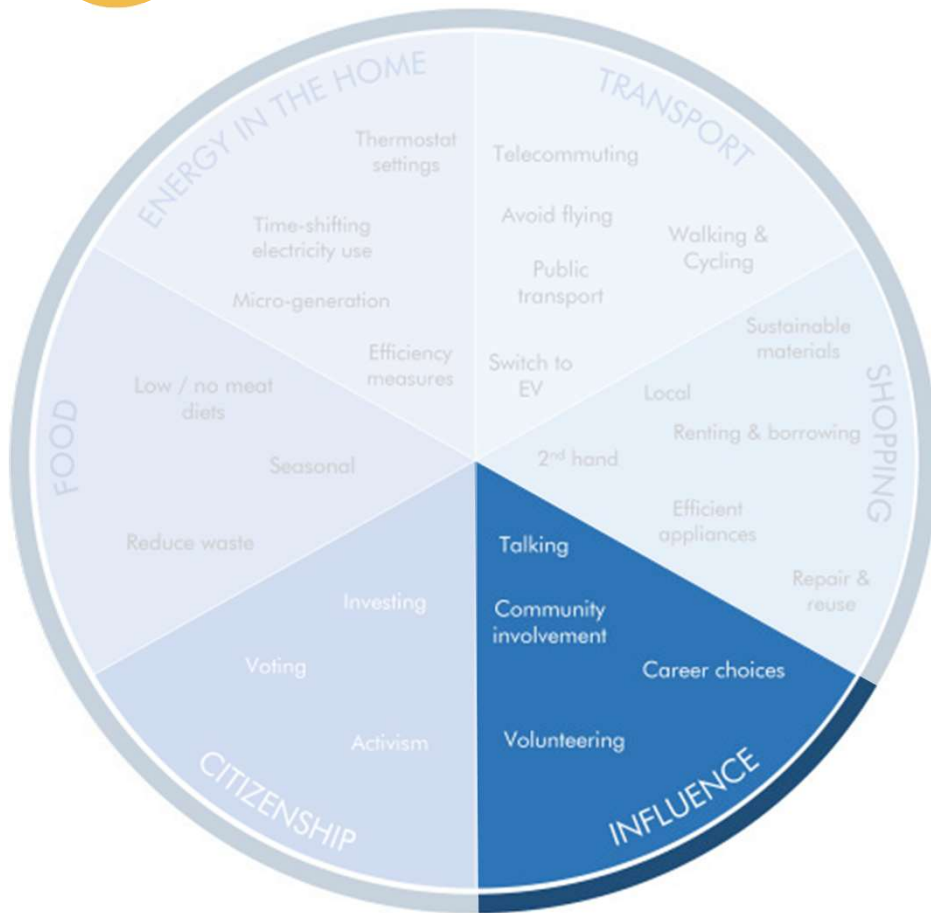


- **CONSUMPTION**
 - Food
 - Energy
 - Transport
 - Shopping



2

FIND SUSTAINABLE ALTERNATIVES IN YOUR WORK



- **INFLUENCE**

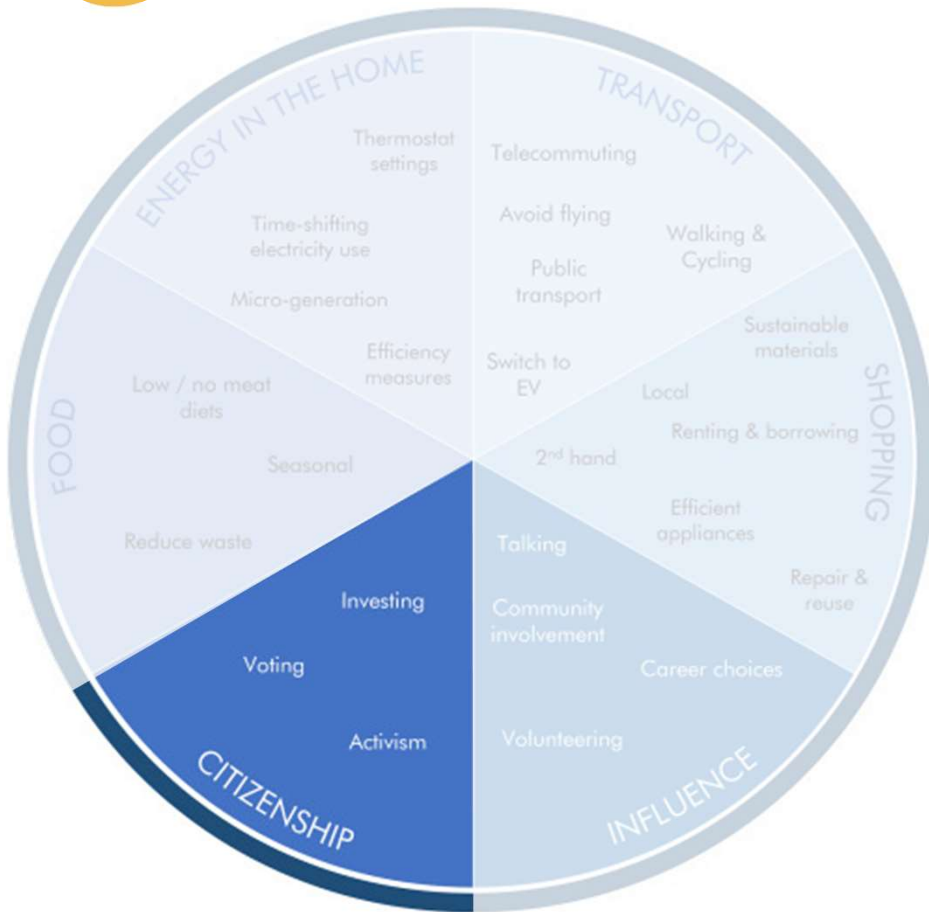
- Talking
- Community involvement
- Career choices
- Volunteering

- **Āpōpō courses**

- **CC101** - Introduction to Climate Adaptation in Asset Management
- **CC102** - Reducing Carbon Emissions through Asset Management
- **AM433** - Risk and Resilience

3

USE YOUR INFLUENCE, USE YOUR VOICE



- **CITIZENSHIP**
 - Investing
 - Voting
 - Activism

Long Term Plan Consultation – Open Now!



Long Term Plan Consultation – Coming Soon!





THE CLIMATE IS CHANGING

...SO CAN WE

- 1
- 2
- 3

MEASURE YOUR GREENHOUSE GAS EMISSIONS

FIND SUSTAINABLE ALTERNATIVES IN YOUR WORK

USE YOUR INFLUENCE, USE YOUR VOICE

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HOW TO ACHIEVE AN UTTERLY UNPRECEDENT SPEED OF CHANGE,
SCALE OF CHANGE AND COMPLEXITY OF CHANGE. EVERYTHING,
EVERYWHERE, ALL AT ONCE”**

- ROD ORAM