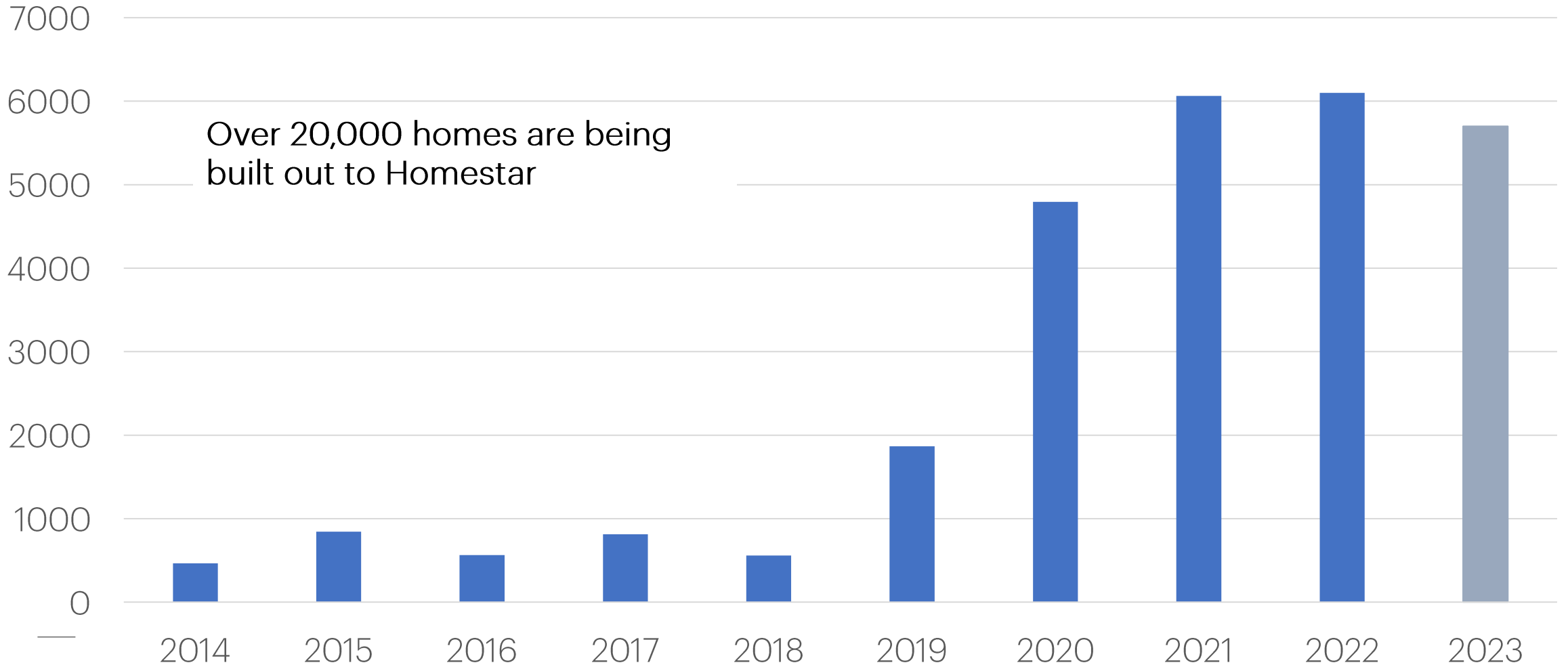


**All homes and buildings in Aotearoa green
and sustainable, making healthier, happier
New Zealanders**



Number of homes registered for Homestar 2014 -2024



Community Housing Providers

OCHT, Christchurch



Iwi providers

Ngati Whatua Orakei, Auckland



Medium density

26 Aroha, Auckland



**Retirement
village
providers**

BUPA, Te Rapa





Build To Rent

New Ground Capital, Glenn Innes Auckland



Homes built by home owners - Lower Saddle Passive House Tāhekeroa

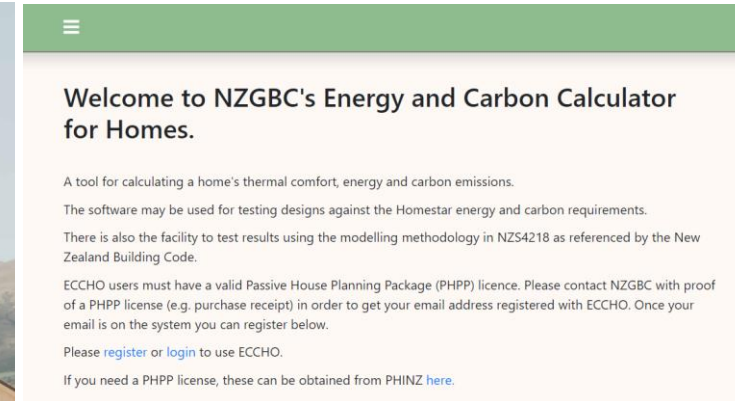
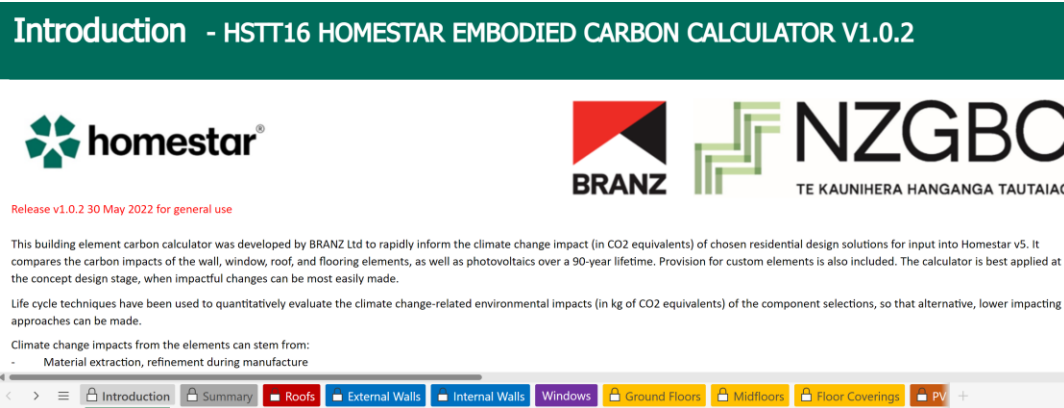


**Robotically
manufactured
homes**

**Bode56
Wellington**



Resources to assist you

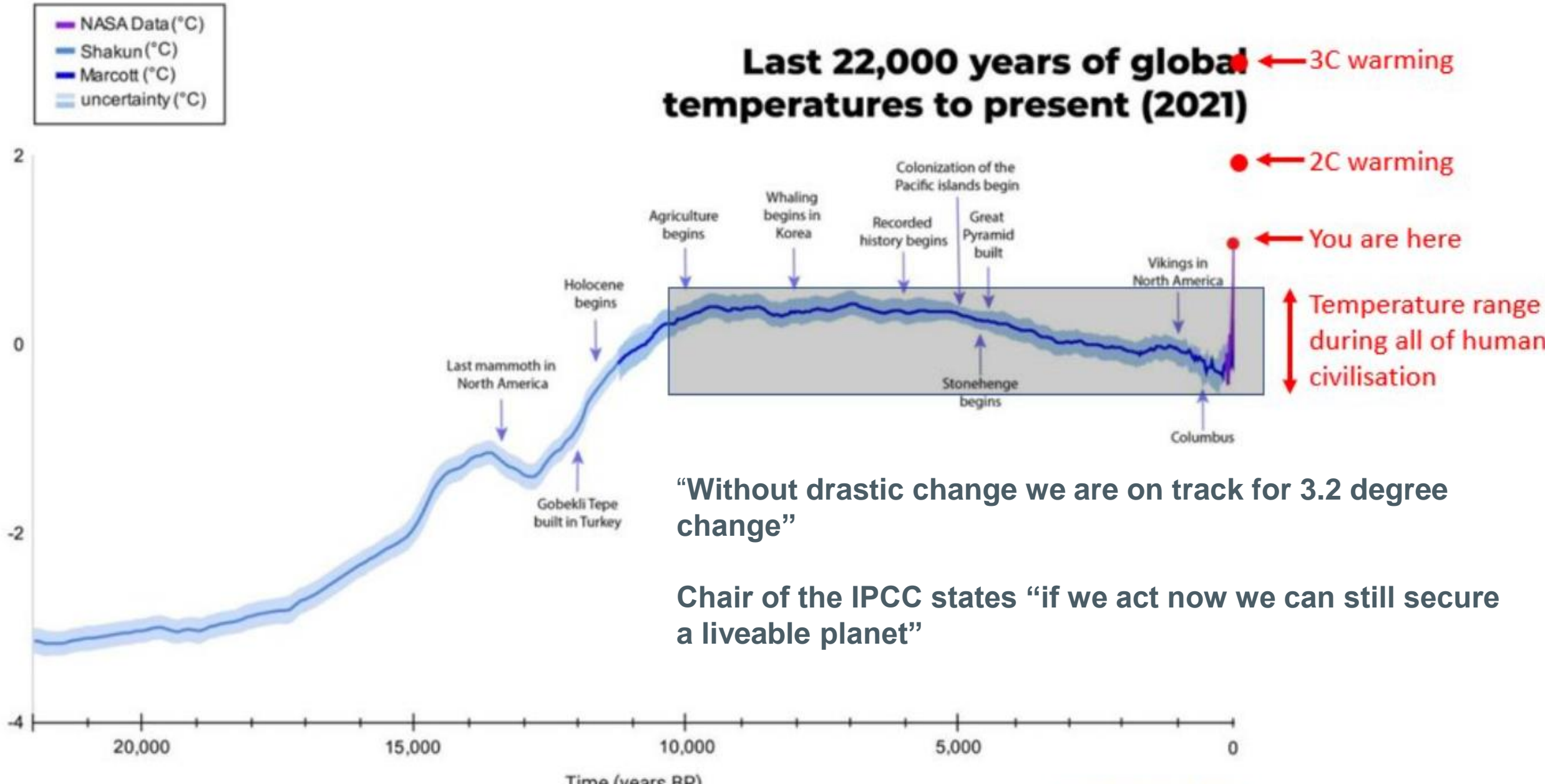


Homestar Embodied Carbon Calculator (HECC) –
Free tool for embodied carbon calculations

Homestar Design Guide
New guide showing practical steps to achieve low carbon healthy homes

Energy and Carbon Calculator for homes
10,000 homes processes

Global recognition of urgency



Global action speeding up

Action is speeding up.

- EU law change - zero carbon
- Global Forum for Ministers of Buildings & Construction

Goal is to help achieve Climate targets & Global Energy Efficiency Pledge - a doubling rate of energy efficiency each year to 2030

To meet once a year to learn from one another on & drive forward

- efficient, low emission, healthy resilient buildings
- production and use of low-carbon & sustainable materials

70 countries have endorsed



Key policy asks

- A building code that significantly reduces embodied and operational emissions enabling alignment with the Zero Carbon Act
- Deliver energy labels on buildings making the performance of buildings transparent - helping investors, owners and understand which buildings are efficient and healthy.
- Endorsing the global declaration



Alignment with global initiatives

**Building for
Climate
Change
programme**

**Leadership: Net Zero Carbon Buildings Commitment
(businesses & organisations)**

By 2030, **existing buildings** reduce energy consumption and eliminate emissions from energy and refrigerants.

By 2030, **new developments and major renovations** to also achieve maximum reduction in embodied carbon.

Where necessary, compensate for residual emissions.

Mainstream: All buildings globally

By 2030, **all new buildings, infrastructure and renovations** will have at least **40% less embodied carbon** with significant upfront carbon reduction.

All new buildings must be **net zero operational carbon**.

2030

**Advancing
Net Zero
Whole Life
Carbon**

**OPERATIONAL
CARBON**

**EMBODIED
CARBON**

2050

Advocate through business activities for **all buildings to be net zero whole life carbon** by 2050.

By 2050, **all new buildings, infrastructure and renovations** will have **net zero embodied carbon**,

All buildings, including existing buildings must be **net zero operational carbon**.

1. Reduce and optimise energy demand



2. Generate balance from renewables



3. Compensate for residual emissions



4. Plan for deep decarbonisation



1. Prevent

2. Reduce and optimise

3. Plan for the future

4. Compensate for residual emissions

Can deliver a 30% of needed carbon savings



New Zealand is bound by law and trade agreements, to reduce carbon emissions in line with Paris Agreement.



NZ Climate Change Commission warn we are not on track.

“20,700 kilo tonnes of CO₂e of emissions reductions are needed by 2030 to meet the second emissions budget”.

This will increase as climate policies (Clean Car Discount, GDI & others) are rolled back.



Almost a third of those savings can be delivered by the built environment.



This is equal to taking over 600,000 petrol cars off the road for five years.

The policies;

- an improved Building Code
- phasing out gas
- making energy use transparent

will reduce costs for kiwi families and businesses, improve health and go on to save 93,000 kilo tonnes by 2050 (a saving of \$19-39bn)*.

OR

...the NZ can pay hundreds of millions to fund other countries to reduce emissions (offsetting).



* Using Treasury's shadow carbon price

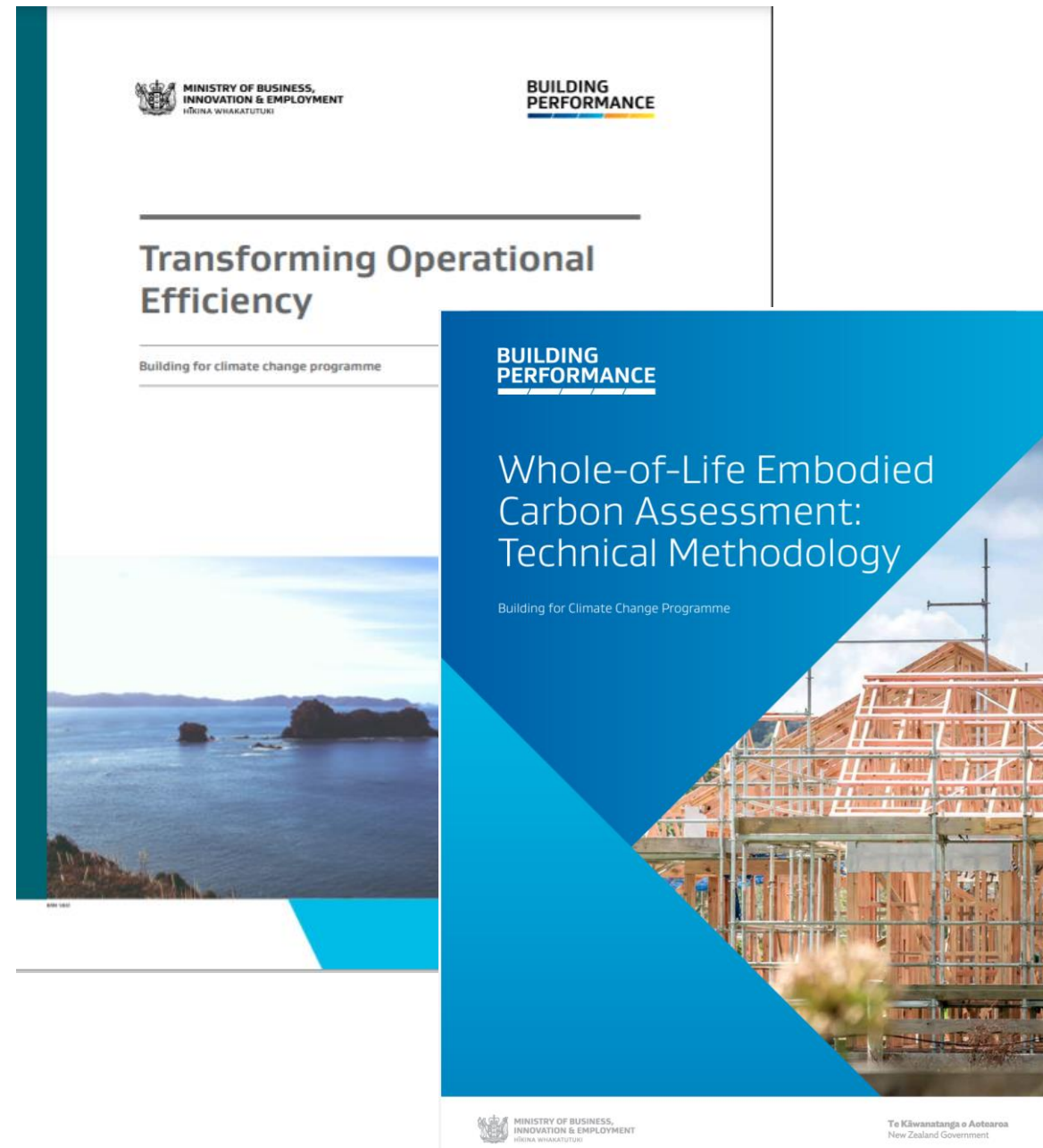
We have a map - the building for Climate Change Programme.

Starts with measuring, moves to reductions over time.
It has strong support

We know it delivers for

- the grid
- reducing running costs
- improving health
- lowering carbon

Many people want to push for change. Can write to Minister Penk and ask him this



Lets finish with a focus on action

Action when we build homes - lets deliver healthier lower carbon homes

Action from central government

Action from all parties in the construction and property space

Action in our communities

Action with officials and political parties

Ngā wāhi pai ke atu, tūturu
Better places, proven

All homes and buildings in
Aotearoa green and sustainable,
making healthier, happier New
Zealanders.



He haumarū

