

WARM UP NEW ZEALAND

2009—ONGOING

NEW ZEALAND

ENERGY EFFICIENCY AND CONSERVATION
AUTHORITY (EECA)



PROJECT GOALS

- Stimulate employment in the construction and insulation sectors
- Ensure warmer, drier, healthier homes
- Improve energy efficiency & energy security
- Reduce carbon emissions

Warm Up New Zealand is a government-subsidized residential energy efficiency and clean energy program, addressing respiratory illnesses and winter mortality rates. The Energy Efficiency & Conservation Authority (EECA) collaborated with home insulation companies, regional councils, energy trusts, and other partners to provide low-income households with grants covering 60% of the cost of insulation.

From 2009 to 2013, Warm Up New Zealand: Heat Smart focused on homes built before 2000. A positive cost-benefit analysis led to the creation of Warm Up New Zealand: Healthy Homes, which ran from 2013 to 2016. An extension of Healthy Homes is in progress, targeting homes with low-income residents or those with health needs related to cold, damp housing. The EECA recommends households to service providers and works with doctors and District Health Boards to develop referral pathways into the program.

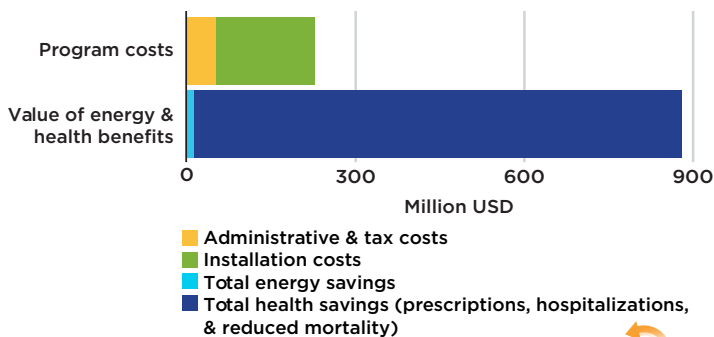
Combined, these programs are insulating over 300,000 homes, reaching 20% of the New Zealand housing stock, and creating around 2,000 jobs.

OVERCOMING OBSTACLES

Upfront costs of insulation and clean heating were addressed by offering simple repayment options for costs not covered by grants, including repayment through property tax bills.

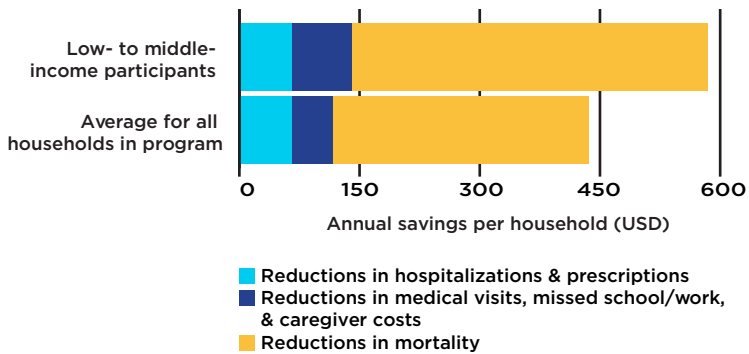
To gain buy in, EECA invested in a media campaign creating awareness on the benefits of insulation. Additionally, it researches the quality and safety of all insulation and heating service providers, sets guidelines on insulation and clean heating systems, and conducts regular audits.

30-YEAR COST-BENEFIT ANALYSIS OF HEAT SMART PROGRAM¹





HEALTH SAVINGS PER HOUSEHOLD IN HEAT SMART PROGRAM²



LEADERSHIP AND COLLABORATION

ACADEMIA

Universities (E)

BUSINESS

Banks (F)
Insulation Companies (I)
Energy Trusts (F)

GOVERNMENT

EECA (A, C, D, F, I)
Ministry of Health (I)
Regional councils (F, I)

HEALTHCARE

Doctors (A, I)

SOCIAL MISSION

Non-profits (F)
Charities (F)

A: Advocacy, C: Champion,
D: Design, E: Evaluation,
F: Funding, I: Implementation

EECA designed and provided the initial funding, while regional councils and other partners were involved in project implementation. Where private partners directly funded communities for insulation, EECA was involved in technical assistance and quality assurance.

BENEFITS

CLIMATE BENEFITS



Well insulated homes stay comfortable during power outages.

HEALTH BENEFITS



Reduced mortality, especially for people over 65 years old with a pre-existing respiratory or circulatory condition³
Warmer, dryer, more comfortable homes

REPLICATION

Private partners have come on board and financed home insulation programs in different parts of New Zealand.

Following this program, there have been changes in the Residential Tenancies Act, and beginning July 1, 2019, ceiling and underfloor insulation must meet a set standard in all rental properties.

OTHER BENEFITS



JOBS & ASSETS

HEALTH, WELL-BEING, & SAFETY
CONNECTION

ENERGY & MOBILITY

RESILIENCE

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Multisolving at the Intersection of Health and Climate References

Warm Up New Zealand

¹ Grimes, Arthur, Tim Denne, Philippa Howden-Chapman, Richard Arnold, Lucy Telfar-Barnard, Nicholas Preval, and Chris Young. 2012. "Cost Benefit Analysis of Warm Up New Zealand: Heat Smart Programme." New Zealand, Ministry of Economic Development. http://www.healthyhousing.org.nz/wp-content/uploads/2012/05/NZIF_CBA_report-Final-Revised-0612.pdf.

² Healthy Housing. 2012. "Evaluation of Warm Up New Zealand: Heat Smart." <http://www.healthyhousing.org.nz/research/past-research/evaluation-of-warm-up-new-zealand-heat-smart/>.

³ Grimes et al. "Cost Benefit Analysis."