BUILD BACK SMARTER CHECKLIST

Beacon

Earthquake damage?
Take the opportunity to upgrade your home while repairs are underway.

Do you have ...	Then consider ...
☑ Ceiling or roof damage	• Adding or upgrading ceiling insulation • Removing recessed downlights • Installing a heat transfer system if you heat with a wood or pellet burner • Installing bathroom and kitchen extract ventilation
☑ Internal or external wall damage	• Adding or upgrading wall insulation • Upgrading old wiring
☑ Damaged floors and foundations ☑ Cracked concrete slabs ☑ Un-level floors ☑ Ground level changes	• Adding or upgrading under-floor insulation • Adding a ground moisture barrier under suspended floors • Improving drainage around and under the house
☑ Broken or poorly fitting windows and joinery	• Replacing damaged windows with more efficient double-glazing, using low-e and argon-filled glass • Installing draught excluders on doors, and draught-stopping windows • Reducing window size on the south and west of the house
☑ Fallen or damaged chimney or fireplace	• Blocking or removing open fireplaces. • Installing a more efficient heater such as a heat pump or low emission wood or pellet burner • Installing a heat transfer system to take warmth through to bedrooms
☑ Broken or damaged hot water system	• Installing seismic restraints (straps) around the hot water cylinder • Upgrading older cylinders to modern efficient cylinders • Replacing with more efficient solar or heat pump hot water system • Installing water-efficient shower heads • Upgrading piping and eliminating redundant pipe runs • Lagging (insulating) around pipes
☑ Plumbing damage	• Installing water efficient taps or tap aerators • Installing dual flush toilets and water efficient shower heads • Installing a rainwater tank for outdoor and emergency use
☑ Damaged light fittings	• Replacing recessed downlights with surface mounted or pendant fittings • Installing energy efficient light bulbs

See http://resources.ccc.govt.nz/files/HouseholdRepairGuide.pdf for more information

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The kind of damage sustained in the Canterbury earthquakes provides the ideal opportunity to consider improving the performance of your home to make it warm, dry and healthier to live in.

We call this *building back smarter.*

What is the Build Back Smarter project?

A home that performs well is warm, dry and healthy. It uses less energy – for heating, water heating, lighting or appliances – and so it costs less to run.

Beacon Pathway has established the Build Back Smarter project to show that these improvements can and should be included during earthquake repairs. Working alongside insurers, PMOs and their contractors, 10 homes are being upgraded so that in the future, more homes in Canterbury can be built back smarter.

Each house is assessed by Community Energy Action, and an Upgrade Plan is developed which lays out the essential steps to improving the home's performance. Upgrades include ceiling, floor and wall insulation, double glazing, clean heating, solar or heat pump water heating, and draught-proofing.

Build Back Smarter houses and their upgrades

House	Household	Insurer/PMO	Upgrades	
Huntsbury 2 1950s with 1980s addition	Retired couple	IAG/Hawkins	• Ceiling, floor and wall insulation • Double glaze 2 windows	• Vapour barrier • Kitchen ventilation • Heat transfer
Spreydon 1 1930s bungalow with lath and plaster linings	Couple	IAG/Hawkins	• Ceiling, floor and wall insulation • Bathroom ventilation • Vapour barrier	• Heat transfer • Hot water wrap • Efficient taps/toilet • Rainwater tank
Mt Pleasant 1 Villa with recent extension	Couple	IAG/Hawkins	• Part insulation • Vapour barrier • Downlight replacement • Heat transfer	• Bathroom ventilation • Efficient shower • Rainwater tank
Redcliffs 1 1960s	Rental	IAG/Hawkins	• Ceiling, floor and wall insulation • Vapour barrier	• Heat pump hot water • Hot water wrap
St Martins 1 1970s with low pitch roof	Single retired	Southern Response/ Arrow	• Ceiling and wall insulation • Woodburner/wetback	• Heat transfer • Double glaze slider • Rainwater tank
Papanui 1 1950s	Extended family with 2 children and a baby. Some health problems	Hawkins/IAG	• Wall insulation • Kitchen and bathroom ventilation • Downlight replacement	• Solar hot water • Hot water wrap • Efficient toilet

For more information on Build Back Smarter: www.beaconpathway.co.nz