

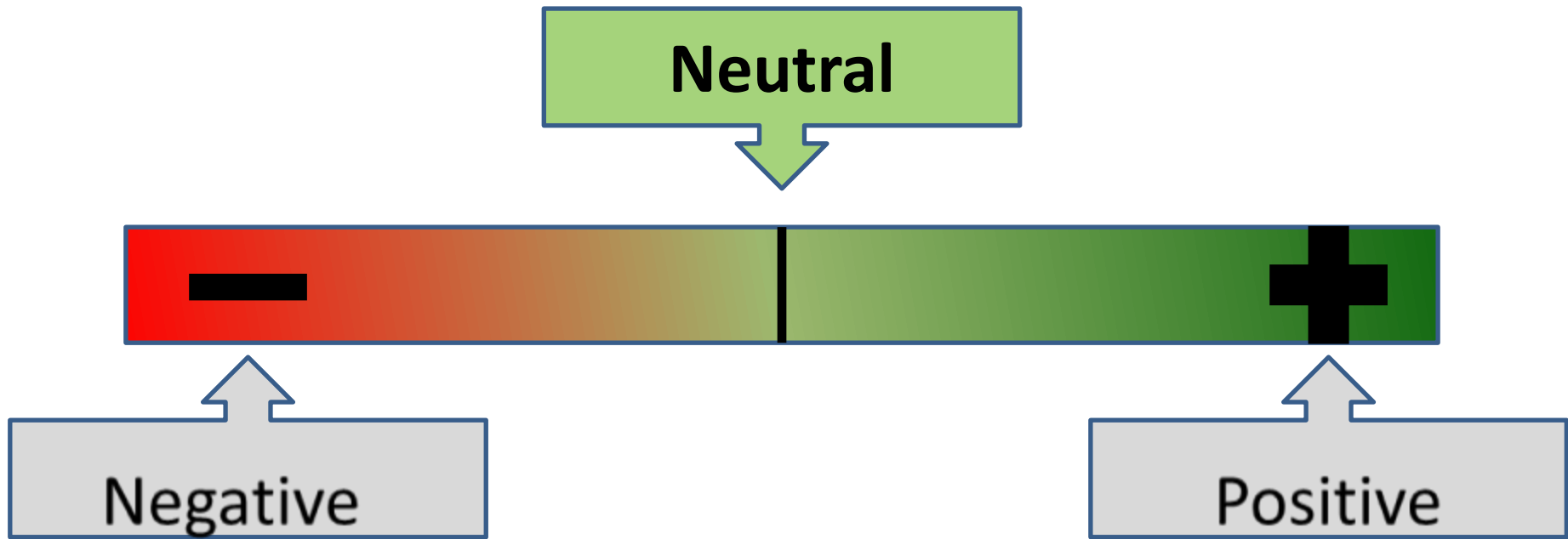
# **Sustainability and the built environment**

*Matthew Cutler-Welsh*  
*Technical Manager - Homestar*

*18<sup>th</sup> May 2012*



# Sustainability



# Building green is now profitable

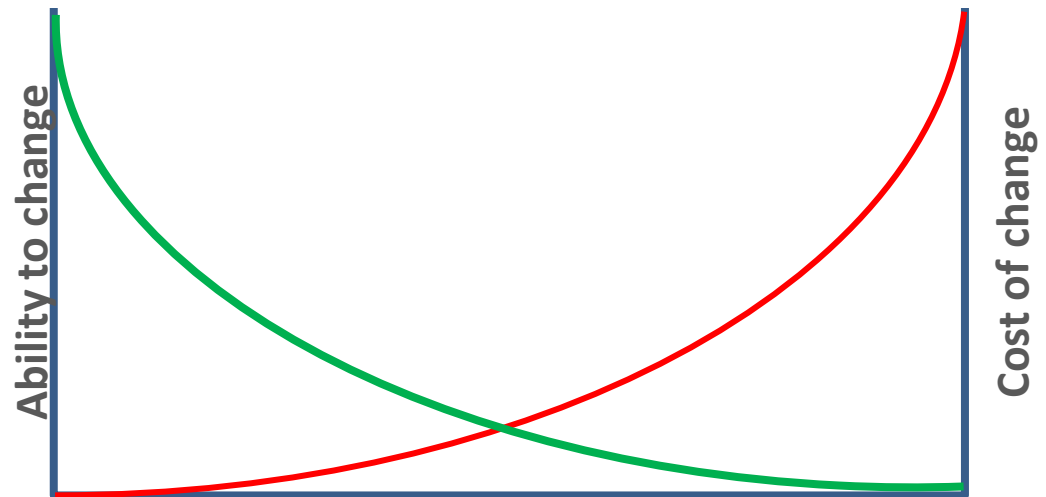


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# Building better

- *People*
- *Process*
- *Products*



# MSS BUILDING, NZDF



4



INDUSTRIAL DESIGN



# AORANGI HOUSE

greenstar

5



OFFICE DESIGN



STEPHENSON  
& TURNER  
DESIGN STUDIO

greenstar

6



OFFICE INTERIOR

**NZGBC**  
NEW  
ZEALAND  
GREEN  
BUILDING  
COUNCIL

GEYSER



6



OFFICE DESIGN







1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> **6<sup>th</sup>** 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

**Health & Comfort**

Health and comfort assesses how easy it is to keep the warmth in and the moisture out of your home.

- Ceiling and floor insulation should be in good condition without gaps, holes or tucks visible
- Eliminate all window and door draughts
- Traditional wooden floors require damp proofing
- Install an extractor fan in kitchen and bathrooms
- No more than 5 ceiling downlights
- Retrofit double glazing, or install quality thermal curtains throughout the house
- Provide a covered washing line

11,000 homes



- Half inadequate insulation
- One in ten vent dryers into their homes
- One in five have rainwater collection



50 %

Northland

6 %

Lower Hutt



Hamon Avenue, Three Kings, Auckland





**Stonewood Showhome, Tauhini Avenue, Lincoln**

# Update



- Reduced documentation
- Standardised templates
- Streamlining of design rating to built rating





# Thank you

- *Questions*

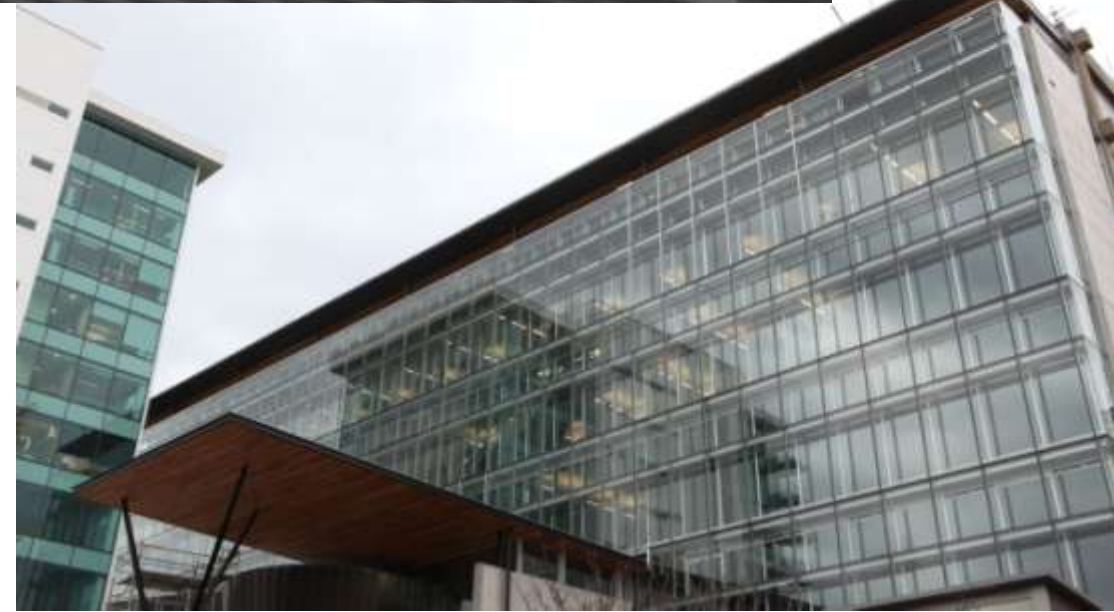




# CHRISTCHURCH CIVIC BUILDING TE HONONGA



6



OFFICE BUILT



# 73 Certified Projects



- Matauri Bay 1
- Auckland 41
- Hamilton 5
- New Plymouth 1
- Bulls 1
- Wellington 13
- Porirua 1
- Christchurch 8
- Dunedin 1
- Palmerston North 1

