

# Housing Fit for our Future:

the convergence of housing,  
climate change and energy.

**2019 Eco Design Advisor Conference**

**24 – 25 October 2019**

Ellen Melville Centre  
2 Freyberg Place, Auckland



## Draft programme

### Day One

Conference will be opened by the **Hon Dr Megan Woods, Minister of Housing**.

#### **Keynote Speaker**

Associate Professor Janet Stephenson (Director, Centre for Sustainability, University of Otago) will present on 'Climate change, energy and housing – what is possible in New Zealand?' Dr Stephenson's research has encompassed the 'energy cultures' of households, the impacts of climate change on communities, best practice management of NZ's electricity grid, and contributions to the Royal Society of New Zealand's report "Transition to a low-carbon economy for New Zealand".

#### **Session One: Setting the scene - what will climate change mean for our housing?**

- Ryan Paulik from the Deep South Science Challenge (which has a mission to enable New Zealanders to adapt, manage risk, and thrive in a changing climate) will present on climate change and flood hazards in NZ – what does it look like and how have our homes coped so far?
- Belinda Storey is a climate economist - she says it's a matter of when - not if - insurance companies will stop insuring coastal properties. Her Deep South team are identifying the locations most likely to lose insurance access in the next few decades, and what size event might trigger insurance retreat.
- Matthew Blaikie (Auckland Council's Chief Sustainability Office) will present on the Auckland Climate Action Framework and its implications for Auckland's built environment.

#### **Session Two: What might climate change friendly housing look like?**

- Scott Willis (Blueskin Resilient Communities Trust) will present a blueprint for climate-safe housing: a community response to the combined climate and housing crises.
- Shay Brazier (Revolve Energy) will present on zero energy buildings (Camp Glenorchy and Zero Energy House in Auckland).
- Rochelle Payne (the Living House) will present on the build of her family home in Auckland, designed to meet requirements of several residential tools (Living Building Challenge, Homestar and Passive House).



### **Session Three: How do we engage our clients/customers?**

- Sophie Heighway (Sustainability Initiatives Manager, Auckland Council) will present on extending the reach of home performance advice to Aucklanders and how to include actions to reduce carbon emissions without talking climate change.
- Maria Ioannou (Community and Planning, Dunedin City Council) will present on 'Enabling communities to lead their own futures: DCC's innovative approach to talking about climate change'.
- Jane O'Loughlin (Communications and Engagement Manager, EECA) will present on 'Connecting with Kiwis on climate change'.

### **Day Two**

#### **Session Four: Tools to help build and design for climate change**

- Brian Berg (Building Environmental Scientist, BRANZ) will present on 'Life cycle carbon in buildings: what is it, why is it important, where is it being used internationally, how can it be accurately calculated in NZ, what is a good result, and where does Beacon's Waitakere NOW Home sit in terms of NZ carbon budget?'
- Tricia Love (Sustainability Consultant, Living Building Challenge facilitator) will present on her experience of using carbon assessment as a design tool for a multi-unit residential project in Auckland.

#### **Session Five: Best practice advice for households**

- Caroline Shorter (Otago University) on 'What we know about mould in our homes'
- Vicki White (BRANZ) will present on the National Housing Survey (2018/2019) and recent research findings to underpin advice to households.
- Julie Villard (Eco-Design Advisor, Christchurch City Council) will present on how to make smart heating choices that are good for you and the planet.

#### **Session Six: Implementing change across the housing stock**

- Andrew Eagles (New Zealand Green Building Council) will present on research into the potential contribution of the residential sector to meeting NZ's 2050 zero carbon goal.
- Tony Moore (Housing and Tenancy Service, MBIE) will present on the experience of the Tenancy Compliance and Investigations Team for the Residential Tenancies Act, and implementation of the Healthy Homes Standards.
- Eddie Thompson (Manager Warmer Kiwi Homes, EECA) will present on Warmer Kiwi Homes



## Session Seven: Working session

A session to synthesise the learning on climate change, energy and housing together

### CPD points

The following organisations are offering points to their members for attending this conference:

NZIA is offering 80 NZRAB points for two days attendance (40 NZRAB for one day)

ADNZ is offering these points:

- Day 1 (Thurs) - 5.5 Design points + 1 Practice Management point
- Day 2 (Fri) - 5.5 Design points
- Or full conference (both days) - 11 Design points & 1 Practice Management point

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