

RP3016 EnergyFit Homes

(Enhancing the market for low carbon homes at point of sale and lease)

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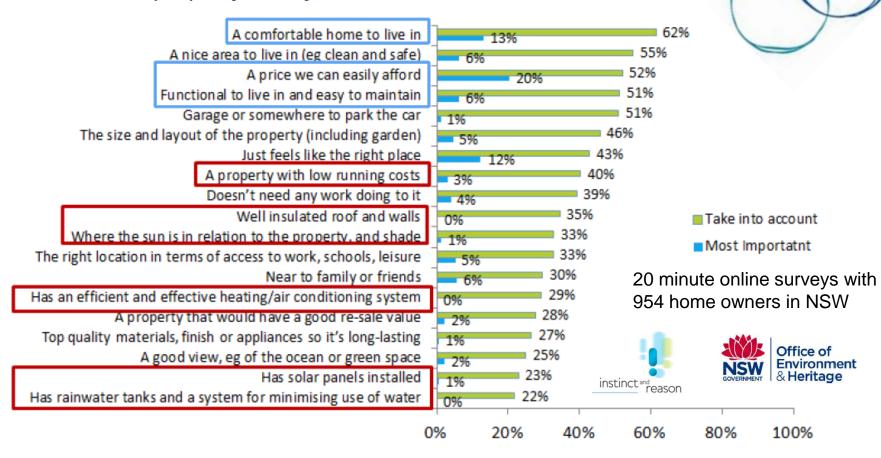






Informing (providing choice to) the consumer

If you were buying a new home to live in, which of these factors would you take into account when finally deciding which property to buy?





What information do consumers need? At what decision points? From what sources? In what form?



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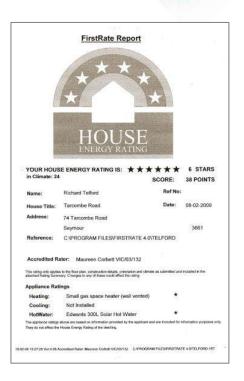


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How are we approaching it?

- Led by consumer and stakeholder needs and capabilities (rather than a traditional technical, tool driven approach)
- The research seeks to answer the following questions:
 - What will consumers respond to? (what, when and from who)
 - What does industry want? What can it deliver?
 - How could it be effectively implemented (roles, governance, business case)



The work plan

Activity	Scope
Benchmark existing rating systems/ tools	 Scope and functionality User experience and costs Results, governance and business models
Understand consumer wants and needs	 Consumer focus groups (12 focus groups, 107 participants) National telephone survey (866 responses) Online surveys with housing industry professionals and real-estate agents (492 professionals, 140 agents) Message testing of different communication strategies
Consult industry and government	 Understand current goals, capabilities and gaps Incentive structures, market channels and governance Coalition building
Develop an implementation pathway	 Identify the desired attributes of a national framework Options for governance structure and business model Develop a business case and implementation plan



Getting the public to understand energy efficiency is like teaching a dog to read

(Eager to please but contrary to it's nature)

- 92% would like energy efficiency information as part of sale and lease processes
- 89% reported that an energy efficient home would be more attractive to buy or rent
- 56% would be willing to pay for energy efficiency information (44% would pay up to \$250)
- 92% would like energy efficiency information in building inspection reports, 83% at house inspections and 72% in home sale/rental advertising



Telephone survey N=900



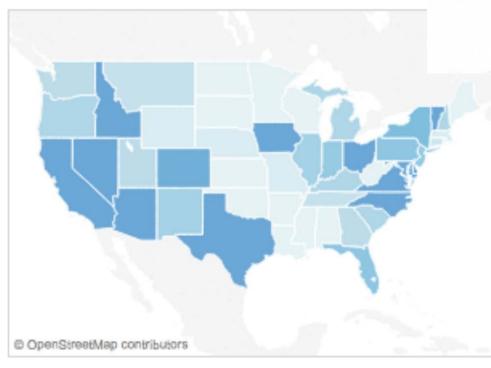
But it can connect when the policy

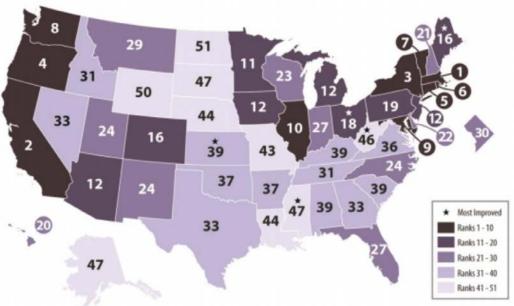
environment is right

Europe and America:

> 3% to 14% increase in home value

2013 Energy Star



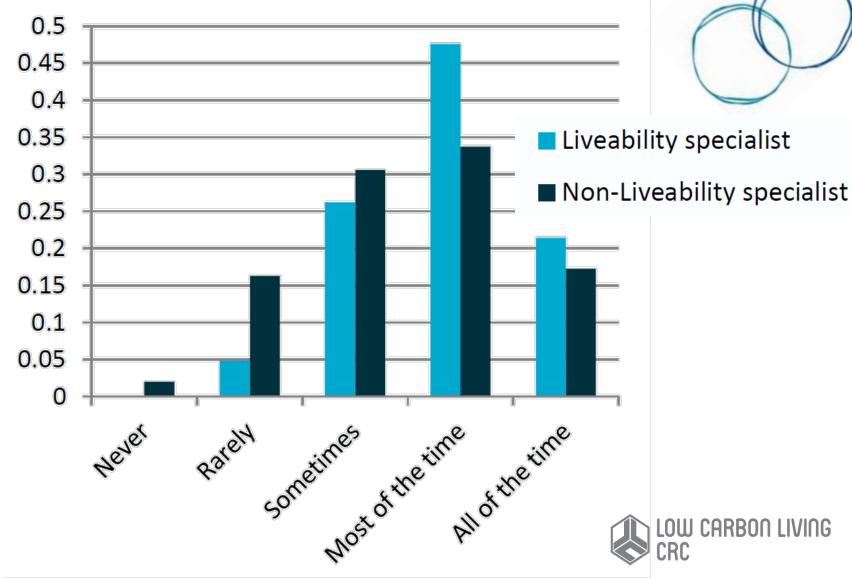


State policy scorecard 2013, ACEEE 2013

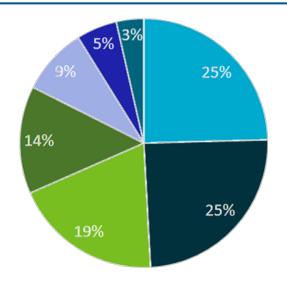
% market penetration



Real estate agents more helpful than you might think? Online survey N=140, 30% Liveability



But face a range of barriers





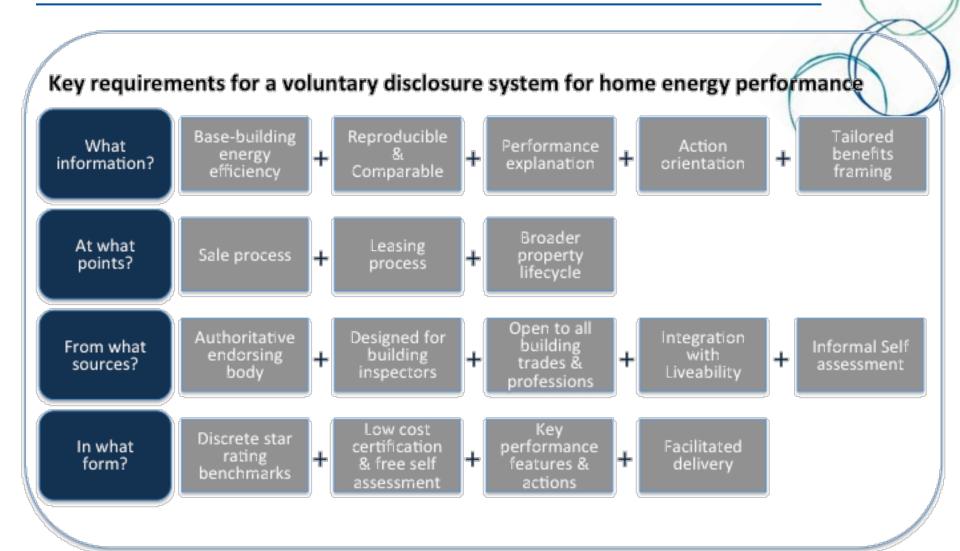
- There is conflicting information about what these features can deliver
- The buyer/renter never asks for the information
- The buyer/renter is not interested
- I am not familiar with the performance of energy efficient products
- I don't know which are the most important energy efficiency features
- I don't consider any of these features important to my sales or rental process
- I don't know how to identify these features



Map of stakeholder perspectives on POS EE information framework attributes and implementation options

- High degree of support for developing a national framework to measure, compare and communicate the energy performance of existing homes
- Common perspectives on many of the desired attributes: including scope, sources and availability, and form of information to be included
- Diversity of views on how to implement a framework, with respect to administrative, technology and market governance

Recommended framework





Informing next generation tools (RP1024)



- ✓ Thermal shell
- ✓ Appliances
- ✓ Renewable energy and storage
- ✓ Comfort





Thank you

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