

Sustainability in Products and Supply

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Basic necessities

- If you can't measure, you can't manage
- Improving sustainability is agreed as a policy, so now it is an implementation issue
- Multi factor not single issue
- Needs long term stability in metrics
- Increasingly stringent targets

New Build

- Metrics
 - Code for Sustainable Homes
 - Energy Use
 - Water Use
 - Materials
 - Surface Water Run-off
 - Waste (generation and management)
 - Pollution
 - Health and Well Being
 - Management
 - Ecology
 - Ranges from 1 star to 6 star
 - Will be extended to other new building types

Materials

- Embodied Impact on whole life cycle
 - Green Guide
 - Ecoprofiles
- Responsible sourcing
- Resource efficiency in the longer term

Ecoprofiles

Ranking	Environmental Issue	Weighting (%)
1	Climate Change	21.6
2	Water Extraction	11.7
3	Mineral Resource Depletion	9.8
4	Stratospheric Ozone Depletion	9.1
5	Human Toxicity	8.6
6	Ecotoxicity to Water	8.6
7	Nuclear Waste	8.2
8	Ecotoxicity to Land	8.0
9	Waste Disposal	7.7
10	Fossil Fuel Depletion	3.3
11	Eutrophication	3.0
12	Photochemical Ozone Creation	0.20
13	Acidification	0.05



**The Housing
Forum**

CONSTRUCTING EXCELLENCE

Existing Stock

- Metrics
 - Embodied impacts ‘paid for’ already
 - Improving in-use impacts
 - Energy
 - Water
 - Surface water run-off
 - Waste

What types of products?

- No rocket science needed
- Reduce energy use
 - Space heating, water heating, lighting, appliances
- Generate or use energy with lowest CO2 emissions
- Reduce water use
- Reduce whole life impact of materials
- Reduce run-off rates
- Reduce waste generation and disposal

Summary

- Agree on metrics at national level
- Keep metrics for long term
- Push for information
- Don't succumb to single issue sirens
- Remember the power of incremental change
 - 80% reduction in 50 years is 3.3% a year
- Existing stock is 100 times more important than new build