

Remaking Suburbia

INDUSTRY AND POLICY DIMENSIONS

Dr Philip Alviano

Sustainable Building Advisor
Master Builders Association



www.rmit.edu.au



Capacity Building for Sustainability in the Construction Industry



Master Builders Association of Victoria



- employer association
- 7,000 members (commercial & domestic)
- range of member services
- Registered Training Organisation (over 14,000 participants per annum)

Training



- legislatively driven
- occupational health and safety greatest uptake eg. Induction, Certificate III to Diploma
- accredited outcomes linked to Training Packages
- industry recognised eg. tickets

Profile of Target Group



Design and delivery needs to take into account:

- range of educational backgrounds
- issues of access/ limited time and cost constraints
- need for flexibility
- general lack of training culture
- language and literacy needs
- sustainability not seen as ‘their role’

History of Sustainability Strategy



- Dedicated sustainability officer appointed
- Initially not considered relevant
- Commenced Green Living program 3 years ago

Education Strategy



Strategy includes:

- dedicated Sustainability Officer
- site visits/ audits
- member advice
- training development and delivery
- research and reporting (publications)
- presentations – trade nights, section meetings

Integration in Training



Units of competency within range of programs:

- Builder Registration
- Certificate III and IV in OHS
- Construction Managers Course (Diploma)

Master Builders Green Living



- Training program
- Domestic builders
- 2 days



Written commitment



- Required for Accreditation
- Submission of an annual report
- Commitment not to pollute



Results



- Average of 36 projects per builder per year
- 6281 sites not polluting the environment
- 99% of sites recycling 75% of waste



Tools and support



- Your home manual
 - www.yourhome.gov.au
- Training notes and checklist
- Website
 - www.mbav.com.au/training/greenliving.html



Tools and support



- List of useful products and suppliers
- Newsletters
- Annual workshops
- List of Green Living Builders



Key messages



1. Apply **green living** at every step of the building cycle
2. Reduce first, then reuse, then recycle
3. Focus on value for money
 - No ifs, no buts.. implement 'deadset winners' first!!
 - Then consider **good practice**/ cutting edge actions



Course Content



- The environmental impacts of housing construction and use.
 - Climate Change
 - Depletion of natural resources
- What's in it for the builder?
- New markets through reputation

Home buyers get the green bug

It used to be about location, location, location — but green-conscious house hunters now want to know where the water tank is, too.

Mary Bolting

The survey showed 93 per cent of Australians rate green considerations as important to their decision.

And the Garden State is leading the way, with 97 per cent of Victorians saying water and energy

saving was crucial to the decision, ahead of all other states except Queensland. RIVV chief Enzo Raimondo said the figures sent a clear message to owners intending to sell.

"It won't be long before we will see energy-saving features included on sale boards, along with other features of the property." House prices were still the top consideration for home buyers, with 56 per cent of people saying it was their No.1 priority. "Twenty-one per cent said location was No.1."

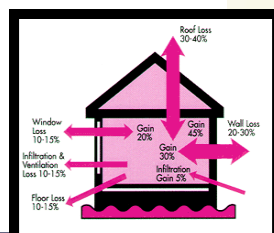
Harold Sun, Thursday, June 21, 2007 17



Course Content



- What's in it for home owners?
- Design and project planning
- Waste reduction
- Materials selection
 - Environmental impact
 - Embodied energy
- Site works
- Insulation



Approximate winter heat loss and summer heat gain.

Source: www.austech.com.au/pinkbatts.htm

Course Content



- Windows
- Water and energy reduction
 - Lights
 - Hot water
 - Solar power
- Indoor air quality
- Business advice



Sustainable Construction - Commercial



- Similar to Green Living
- For commercial builders and their employees
- 2 days

Brindabella Circuit, ACT, 5 star office design



Sustainable Construction - Commercial



- Varies from Green Living
 - More emphasis on site management
 - Environmental policies
 - Ratings systems (Greenstar)
 - Case studies of commercial buildings
 - [Supported by DVD](#)



Certificate IV



Certificate IV in Building and Construction (Environmental Management)

- Aimed at site supervisors and foremen.
- Includes units on
 - Site supervision
 - OHS
 - ISO 14001

Conclusion



- Provide relevant training
- Improve the chances of consumers making contact with a likeminded builder
- Improve understanding within the commercial sector to improve project outcomes.

Website:

www.mbav.com.au/training/greenliving.html