

# Sustainable Precincts

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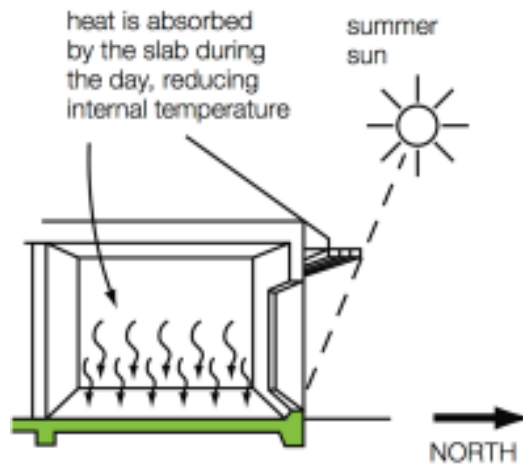
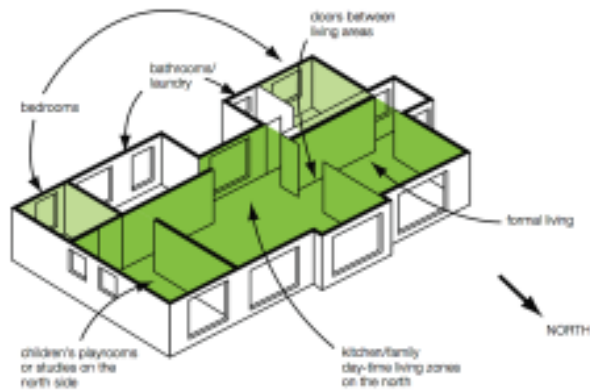
# What do we want our neighbourhoods to be like?

- > Attractive
- > To facilitate healthy living
- > To use minimal (and renewable) resources
- > To be safe
- > To have a community
- > To be economically sustainable
- > To be in harmony with surrounding community and nature



# Design Solutions

Building level ↔ Street level ↔ Neighbourhood level



# Technology Solutions

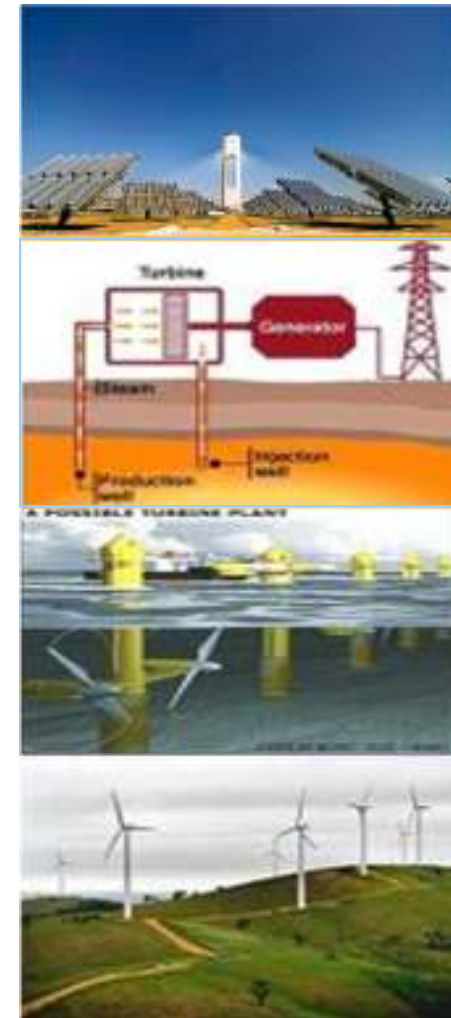
## Building Level



## Precinct level



## Site related



# Achieving integrated solutions through stakeholder engagement

Planners

Architects

Engineers

Developers

Builders

Financiers

Regulators

Waste management, recycling, water, transport service providers

Energy network owners/operators

Local Council

Community groups

Residents

Local Business

# Melbourne Context: Managing Growth and Development in a Sustainable Manner

Melbourne@5million: The need to respond to Melbourne's population growth

New development in growth areas

Redevelopment in existing areas

The challenge for sustainable development and a move to a more sustainable city

Need combination of planning, behaviour change, technology and infrastructure



# **SV's Sustainable Precincts Program**

- > To demonstrate sustainable precincts**
- > To explore and promote the business case for sustainable precincts**
- > To explain how it is done**

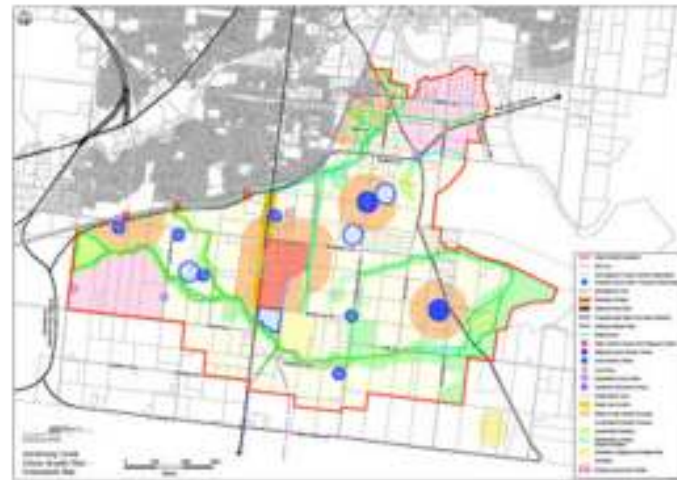
# Precinct Programs/Projects

Smart Energy Zones

Zero Emission Neighbourhoods

Armstrong Creek

Research into Building the Business Case for Sustainable Precincts



# Armstrong Ck Business Case - the results

A sustainable approach will:

> Generate additional \$ benefits over 15 years



\$466m

> Over 80% of these benefits likely to flow to the residents of Armstrong Creek



> Including a capital investment cost saving



\$48m

# Smart Energy Zones

[http://www.resourcesmart.vic.gov.au/for\\_businesses/sustainable\\_precincts\\_2339.html](http://www.resourcesmart.vic.gov.au/for_businesses/sustainable_precincts_2339.html)

# Department of Human Services: Carlton Housing Redevelopment



## Ballarat Solar Park



# CERES



# Zero Emission Neighbourhood Program

- > \$5 million for infrastructure support
- > 4-6 projects best-practice residential developments
- > Operational zero net operational greenhouse gas emissions associated with water, waste, energy and transport
- > \$500,000 for assistance to develop and scope the business case
- > Allocated funding process: proposals being received until mid 2011
- > Collaboration process to develop partnerships

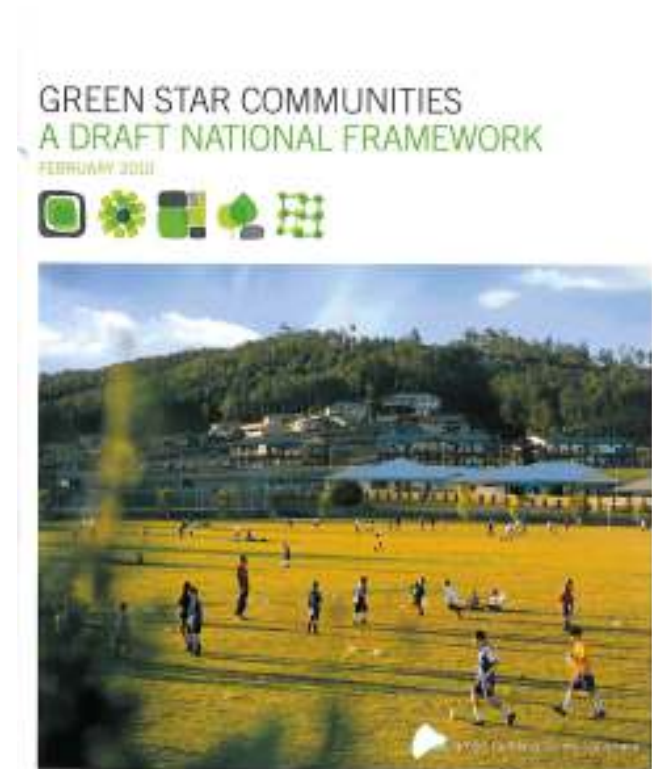


# ZEN Application Process



# Green Star National Framework for Sustainable Communities

- > Liveability
- > Economic prosperity
- > Environmental Quality
- > Place making
- > Urban Governance



[www.gbca.org.au](http://www.gbca.org.au)

# EnviroDevelopment Rating Tool (UDIA)



[www.envirodevelopment.com.au/](http://www.envirodevelopment.com.au/)

# Thankyou

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