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Sustainable Transport Solutions

AIG Sustainability and Technology Forum

23 June 2011



# Direct Investment in Sustainable Transport

# The questions

➔ What to fund?

➔ How to build it?



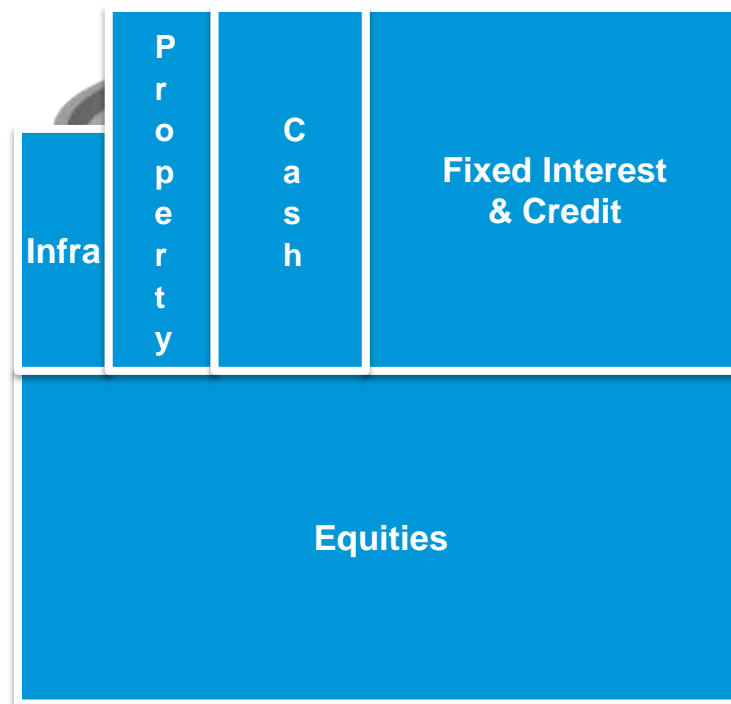
# What is Sustainable Transport?

- ➔ **Sustainable transport** refers to any means of transport with a low impact on the environment, and includes walking, cycling, public transport, low carbon/renewable fuels (in motor vehicles), or sustainable transport methods (car pooling, etc).
- ➔ **Sustainable policy implementation** is the development and implementation of well planned and long term mass transit solutions on both the micro and macro scales.
- ➔ **Sustainable urban development** is a key component to ensuring efficient, sustainable transport solutions.

# Drivers for investment in sustainable transport solutions

- ➔ **The need for a clear public policy direction** to drive the demographic outcomes of urban living (where people live, where they work, how they get there etc.)
- ➔ **The private sector imperative to make money** and its absence from many public transport outcomes.
- ➔ **The public sector imperative to derive value** and the difficulty in making comparatives.
- ➔ **Long term investments** with an investment horizon beyond 25-30 years.
- ➔ **Demand risk v Availability risk** – there is a shift away from demand risk projects.

# The Institutional Sector Funding Dilemma



# The Public Sector Funding Dilemma



- ➔ **The renaissance of light rail –**
  - ➔ Gold Coast Rapid Transit – 13km from Broadbeach to Griffith University.
  - ➔ Sydney Inner West Extension – 5.6km from Lilyfield to Dulwich Hill.
  - ➔ Adelaide CBD light rail extension
  - ➔ Sydney CBD loop and inner east extension proposals.
  - ➔ Melbourne proposed tram expansion - Balwyn – Heidelberg, Burwood - Doncaster Hill and Sunshine – Highpoint to name a few.
- ➔ **Alternative mode solutions –**
  - ➔ Melbourne’s Bike Share program.
  - ➔ Sydney’s CBD cycleway program.
- ➔ **A sustainable fast rail network? East coast cities.**
- ➔ **Sustainable airplane transport?**

# Australian Green Infrastructure Council

Responding to the Sustainable Infrastructure Challenge – How do we build it green?

## The AGIC Rating Scheme:

### 1. Management and Governance

1.1 Management systems

1.2 Making decisions

1.3 Purchasing and procurement

1.4 Knowledge sharing & capacity building

1.5 Climate change adaptation

### 2. Using Resources

2.1 Energy and carbon management

2.2 Water

2.3 Materials selection and use

### 3. Emissions, Pollution and Waste

3.1 Discharges to air, land and water

3.2 Land management

3.3 Waste management

### 4. Ecosystems & Biodiversity

4.1 Ecosystems & Biodiversity

### 5. People and Place

5.1 Health, well-being and safety

5.2 Natural and cultural heritage

5.3 Stakeholder participation

5.4 Urban design and landscaping

Economic Performance

Workforce

# What does the rating tool look at?

- ➔ **Screening of the project** to identify whether it has sustainability issues on both a macro and micro level.
- ➔ **Credibility and appropriateness** of the sustainability justification (e.g. climate change projections or expected energy efficiency savings).
- ➔ **Quality of the assessment** of mitigation options and the business case for spending the money.



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