








**AUSTRALIAN GREEN INFRASTRUCTURE COUNCIL**

**Advancing sustainable infrastructure**  
[www.agic.net.au](http://www.agic.net.au)

1. *Who is AGIC?*
2. *What are we trying to achieve?*
3. *Why?*
4. *How are we going?*
5. *Benefits & how to get involved.*
6. *Further information*





### Introducing AGIC

*A newly formed industry association which aims to:*

- *be the catalyst for the delivery and operation of more sustainable infrastructure in Australia;*
- *drive market transformation through education, training, advocacy and by recognising leading sustainable practice via a rating scheme.*





### AGIC Scheme Objectives

*Develop and operate a scheme to:*



- *Establish sustainability performance benchmarks (environmental, social and economic) for Australian conditions*
- *Raise standards of sustainability performance in design, construction and operation of infrastructure*
- *Verify and reward projects and their stakeholders for high achievements and outcomes*
- *Provide training and reference tools for industry*






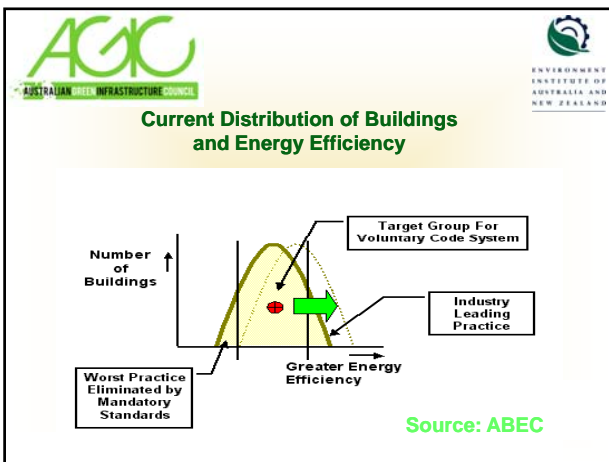
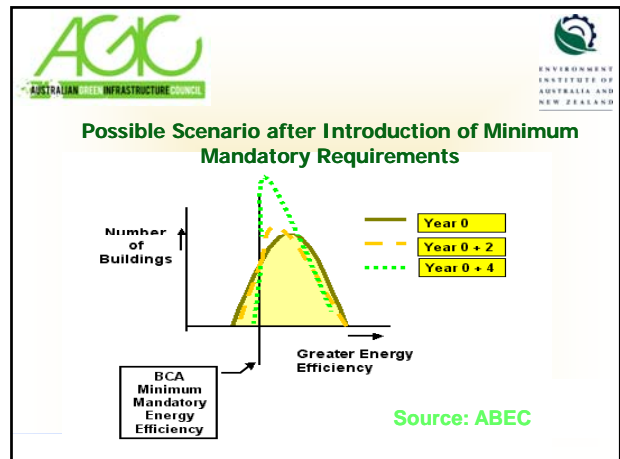
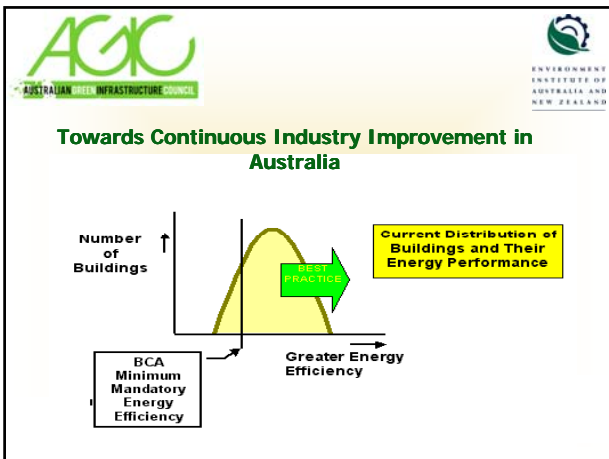
### AGIC Organisational Objectives

- *To be Australia's principal coalition of leaders in promoting environmentally responsible infrastructure,*
- *To act as a lead partner in research into environmentally sustainable infrastructure and evaluation metrics,*
- *To support and encourage and assist in the development of teaching programs,*
- *To participate in public debate on environmental issues within and that affect the infrastructure industry,*
- *To successfully operate the company AGIC.*

### Why a rating scheme?

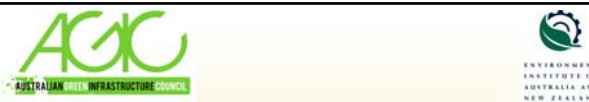




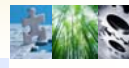
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- How did it all start?**
- 1. Confirmed a need exists within industry:**
    - Feb 07 – Presentation at Engineers Australia
    - June 07 – Stakeholder Workshop
  - 2. Developed list of scheme success criteria**
    - June 07 – Stakeholder Workshop
  - 3. Did our homework:**
    - No-one is doing this
    - No-one planning to do this in short term at least
    - No existing schemes or tools exist match the success criteria

**AGIC Success Criteria**


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- AGIC Success Criteria**
- A reputable & independent governance structure meeting needs of professions, organisations & industry
  - To be developed with key input from industry, clients & stakeholders
  - Supported by those who will use it (founding members & sponsors represented on the Board)
  - Criteria based on fact, practicality & sustainability principles
  - Excludes sustainability “need” of the project




- **Easy to use & apply**
- **Linked to industry reporting benchmarks (eg GRI)**
- **Access to independent & skilled verifiers**
- **Scheme is a means to an end, not an end in itself**
- **Includes how-built, how-designed, and some how-operated**
- **Include range of project types and sizes**
- **Allows range of categories (env, social & economic)**





## Researching the scheme

### Some existing rating tools in use for buildings:

<p><i>Australia:</i></p> <ul style="list-style-type: none"> <li>• <b>Green Star</b></li> <li>• <b>ABGR</b></li> <li>• <b>NABERS</b></li> <li>• <b>BASIX</b></li> <li>• <b>MATRIX....</b></li> </ul>	<p><i>Internationally:</i></p> <ul style="list-style-type: none"> <li>• <b>LEED;</b></li> <li>• <b>BREEAM;</b></li> </ul>	
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### What about Civil Engineering & Infrastructure projects?

*Internationally:*

- **CEEQUAL**
- **PSM**
- **O'Hare Airport Sustainability Manual**
- **LEED Infrastructure...**
- **M4i**
- **DREAM**





**Are any suitable for an Australian rating scheme?**





### What about Civil Engineering & Infrastructure projects?

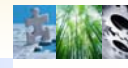
*Locally:*

- **Arup's SPeAR®;**
- **VicRoads Sustainable Roads Assessment tool (TCI);**
- **CCF Earth Awards;**
- **DESAT...**



## What will the rating scheme look like?






**A HYBRIDISED scheme is recommended.**

- **Desirable features identified:**
  1. **Rating framework similar to Green Star / BREEAM / LEED / CEEQUAL**
  2. **Using scoping questions to suit range of projects and award types, as in CEEQUAL**
  3. **Provision of better practice standards (eg low vs higher costs) beyond legal minima used by O'Hare / TCI / PSM**
  4. **Range of environmental categories as in CEEQUAL**
  5. **Range of socio-economic indicators as in PSM/GRI/SPeAR®**
  6. **Friendly results format of SPeAR®**





### Infrastructure Types

*Definition: structural elements of an economy that allow the production of goods and services without being part of the production process.*

**AGIC Scheme to include:**

- Roads & Railways
- River Diversions;
- Bridges and tunnels;
- Ports and marinas;
- Airports;
- Distribution grids (Poles wires and pipes);
- Dams;
- Water and waste facilities;
- Reclamation sites;
- Headworks

**Not:**

- Buildings;
- Suburban developments;
- Industrial processes;
- Mines ?





### Potential Award Types


- **Whole Project – joint application by client, designer & principal contractor**
- **Design & Build – partnership/alliance contract teams**
- **Construction Process – principal contractor only**
- **Design – principal Designer only**
- **Operate – Client & Operators**
- **Term Contracts – PPP style**



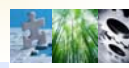
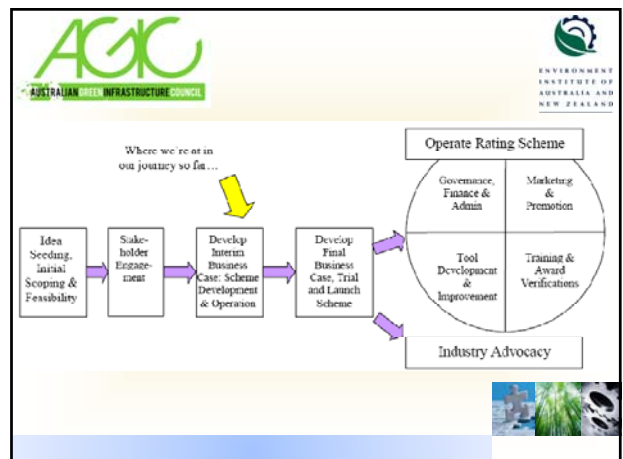


### Assessment Method

- **Self assessment**
- **Validated by external Verifier**
- **Result ratified by AGIC**
- **No time limit**
- **Rolling activity or near end of project**
- **Awards presented at high-profile public ceremonies**




### AGIC – the entity delivering the scheme...

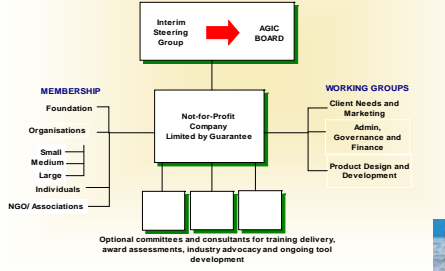



### The Interim Business Case will...


- formalise purpose, structure & organisation
- confirm need & develop marketing strategy,
- show how the rating scheme will be developed & delivered,
- manage stakeholder relationships,
- develop financial plan, risk assessment, & action plan.

### AGIC Organisation & Governance Structure



Optional committees and consultants for training delivery, award assessments, industry advocacy and ongoing tool development





### Current Membership of Interim Steering Group

Chairman:.....*David Hood*



Secretariat:.....*Glenn Hedges (Thiess)*

Working Group Team Leaders:

- Product Design & Development.....*Rick Walters (Worley Parsons)*
- Client Needs & Marketing.....*Cherene Mitchell (PB)*
- Admin, Governance & Finance.....*Scott Losee (Maunsell)*

Interstate Representatives:.....*Rob Turk (Arups, Melb) & Rick, Syd*

Interim Business Case Manager:.....*Simon Cavendish (EIANZ)*


### Working Group Representation to-date

Environmental Protection Agency (Qld)  
Local Government Infrastructure Association (Qld)  
Brisbane City Council  
Freehills  
Environment Institute of Australia New Zealand  
Arups  
Parsons Brinckerhoff  
Maunsell  
Thiess  
VicRoads  
WorleyParsons  
Connell Wagner  
SKM  
GHD  
Clayton Utz  
KBR

### Expressions of Interest:

- Baulderstone Hornbrook
- PricewaterhouseCoopers
- ACA, IPA
- NSW Dept of Planning
- Leighton Contractors
- VicUrban
- URS

To name a few...





### Timeline

**AGIC is now:**

- Engaging potential sponsors
- Open for membership, including Foundation Membership
- Completing ASIC business registration: ISG now the Board
- Seeking three new Board members (Foundation members)
- Publishing the Interim Business Case (IBC)
- Finalising marketing tactics & materials
- 28 February Parliament House function







### NEXT STEPS...

Mar-Jun 08	Conduct national workshops for the business case Appoint a CEO for AGIC and a project manager for the scheme and support tool development
Jun 08	Finalise Business Case (BC) & AGIC Board
Aug-Sept 08	Finalise Version 1 of rating scheme & commence PILOT
Nov-Dec 08	Full scale PILOT trials
Feb 2009	AGIC scheme open for business



## What are the benefits?





## Benefits to projects & organisations

- a practical tool for project teams to de-mystify sustainability in an infrastructure context and help them achieve good sustainability outcomes,
- a practical checklist of sustainability risks, opportunities and obligations - for all parties involved, for all stages,
- a roadmap of practical solutions and examples,
- create a common language enabling teams to objectively assess comparative value of sustainability initiatives (by relating it to points gained)





## Benefits to projects & organisations

- contains useful benchmarks for internal monitoring, reporting, and continual improvement purposes
- compliment efforts to obtain data for internal and external reporting processes linked to industry indicators (eg Global Reporting Initiative, Equator Principles, Enduring Value)
- assist defining documentation requirements and reviewing responses in competitive tenders





## Benefits of receiving certified ratings

- Receive recognition by an independent and credible group of peers,
- The rating can be used to provide assurance to communities and other stakeholders that sustainability claims can be justified and perception of greenwash significantly reduced,
- Demonstrates understanding of sustainability concept and solutions to clients for future tenders,
- Have the option of receiving the award at a high-profile engineering event.





## Benefits of joining AGIC

- receive discounts on fees, technical manuals, training courses,
- reference to AGIC membership (or Foundation Membership) can assist commitments to deliver sustainable solutions in tenders, corporate reports, and other communications and marketing,
- nominate representatives to the Board and working groups to input and influence scheme development priorities and tool benchmarks,
- enable suitably qualified employees the option of becoming AGIC verifiers,
- be kept informed of sustainability developments as they relate to infrastructure and the AGIC scheme,
- have access to early versions of the rating tool during pilot trials





## For more Information...

[www.agic.net.au](http://www.agic.net.au)

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