

# GBCA and Green Star - Communities

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Developed by the  
Green Building Council of Australia



Principal Sponsor



green building council australia

750+

Member companies



## WHAT

The Green Star Sustainability Rating System



## WHY

The Business Case for Green Star - Communities Certification



## HOW

How the Green Star – Communities PILOT Rating Tool works



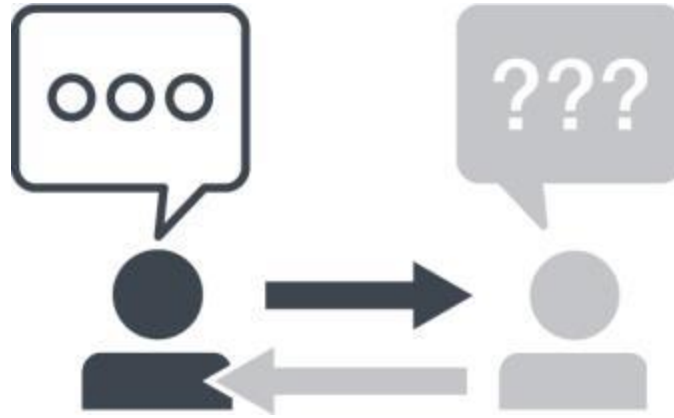
# What?





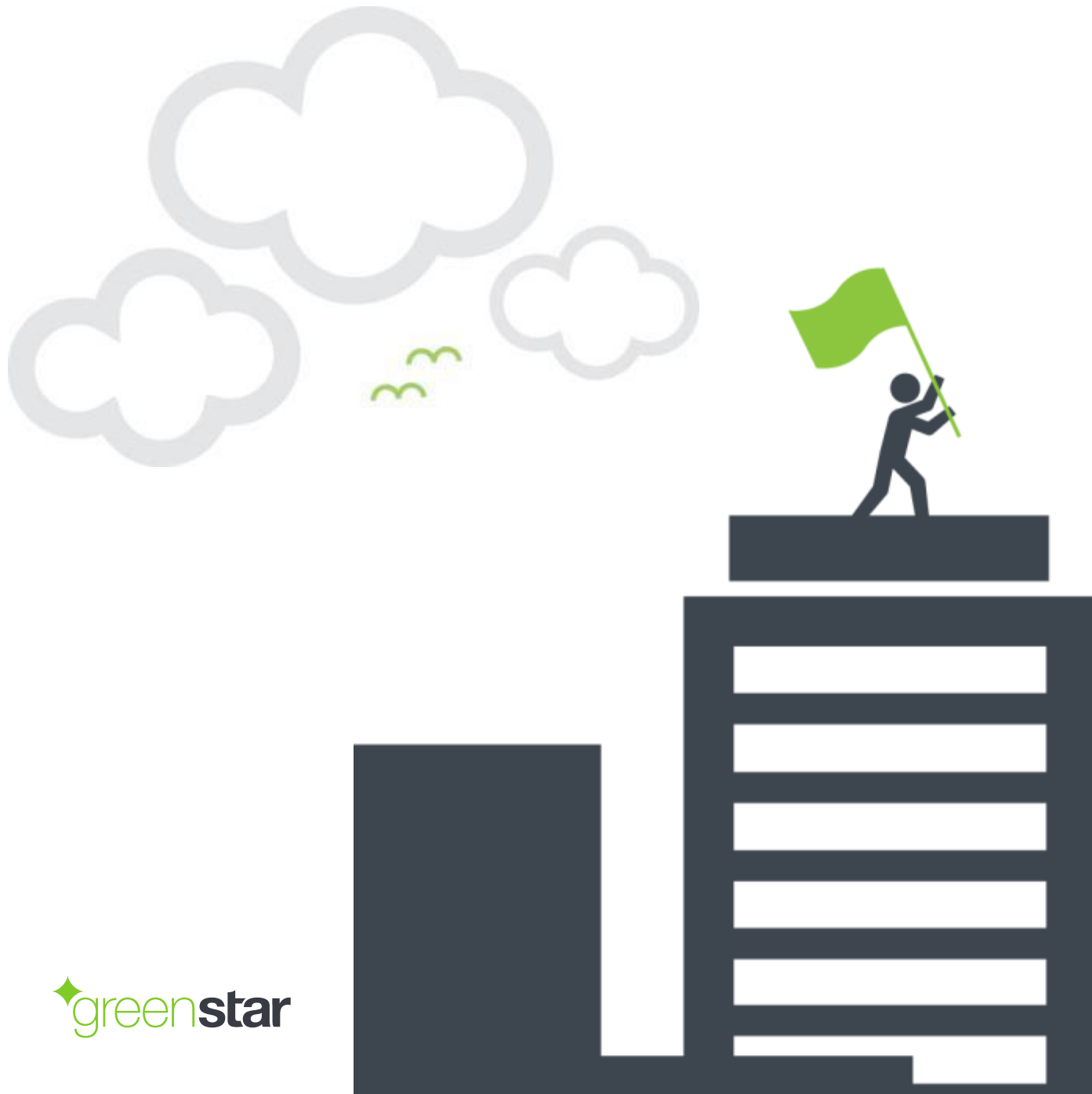
# No Agreed Metrics

or methodology to measure  
green building practices



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No organised  
approach to  
knowledge sharing





# What is Green Star?

Green Star is a flexible and cost-effective rating system, delivering independent verification of sustainable outcomes throughout the lifecycle of buildings, fitouts and communities.



# Aim:

Green Star aims to transform the built environment by encouraging practices that:

- Reduce the impact of climate change;
- Enhance the health, quality of life, and sustainability of our built environment;
- Restore and protect our planet's biodiversity and ecosystems;
- Ensure ongoing optimum operational performance; and
- Contribute to market transformation and a sustainable economy.

# Green Star is certifying sustainable outcomes



Communities



Design &  
As Built



Interiors



Performance

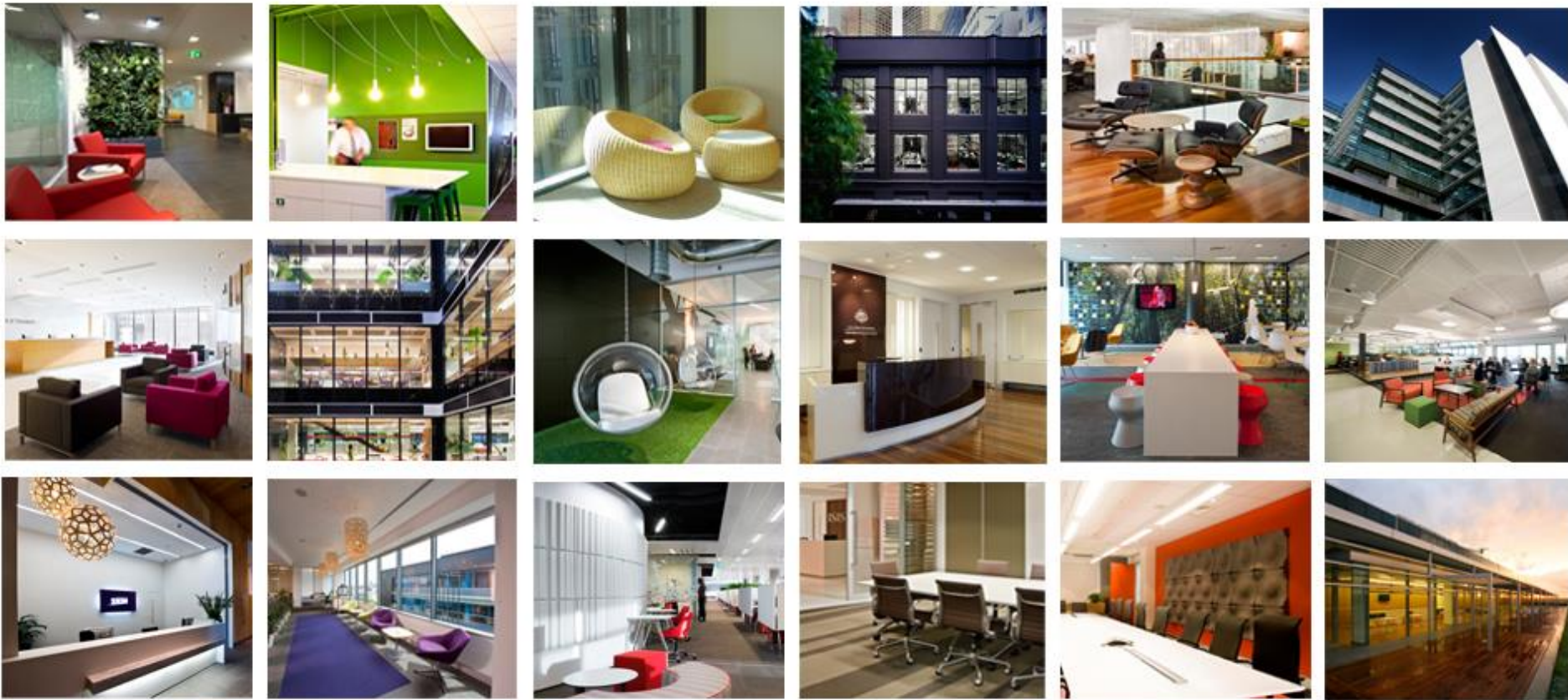
# Certification you can trust

A Green Star rating provides independent verification that a building, fitout, or community project is sustainable.

Undertaking voluntary Green Star certification demonstrates leadership, innovation, environmental stewardship, and social responsibility.







**830+**

**Green Star  
certified projects**

**350+**

**Green Star  
registered projects**



# Our mission

- Sustainable places for everyone



Thanks  
to our sponsors:

**Platinum Sponsor**





Thanks  
to our sponsors:

## Australian Government Sponsor



**Australian Government**

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**Department of Infrastructure and Transport**  
Major Cities Unit

# Thanks to our sponsors:

## Government Land Organisation Sponsors



# Thanks to our sponsors:

## Gold Sponsors



*Dedicated to a better Brisbane*



## Silver Sponsors



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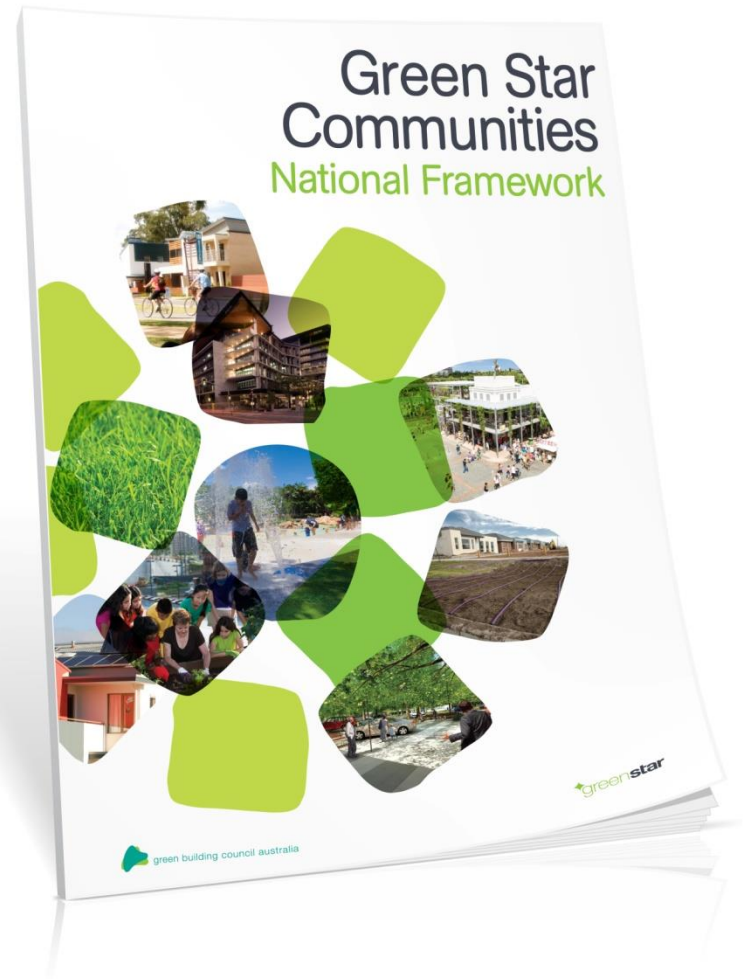
# Why?



# Communities look beyond buildings

# 5 principles of sustainable communities:

- Enhanced liveability
- Economic prosperity
- Environmental responsibility
- Design Excellence
- Strong Leadership and Governance







Developers



Government



The supply chain



The community



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# How?

# Green Star is trusted, recognised, verifiable



Plan for  
development is  
registered



Documentation is  
submitted



Documentation is  
assessed



Rating is awarded

# Green Star is transforming the masterplanning process



## Introducing Communities

a single, holistic rating  
tool for large-scale  
development plans

# The **objectives** of the Green Star – Communities PILOT Rating Tool

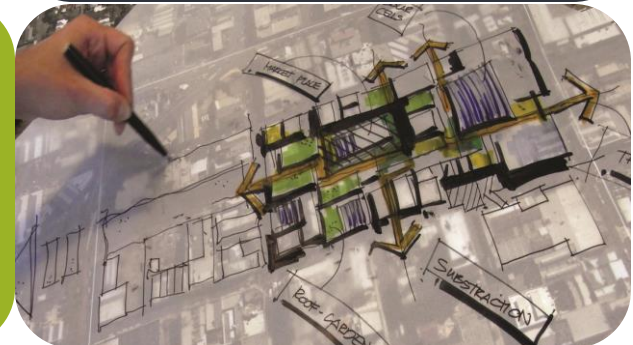
Establish a common language for the planning, design and construction of sustainable places

Promote integrated thinking

Recognise sustainability leadership



Raise awareness about sustainable places



Promote more liveable, prosperous, environmentally responsible communities

 **greenstar**  
COMMUNITIES

that are underpinned by integrated design and strong governance



# Green Star Communities

Guide for local government



Developed by the  
Green Building Council of Australia

In Association with

**AECOM**

# Green Star - Communities

transformative, relevant, flexible



Governance



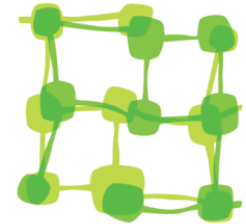
Design



Environment



Economic  
Prosperity



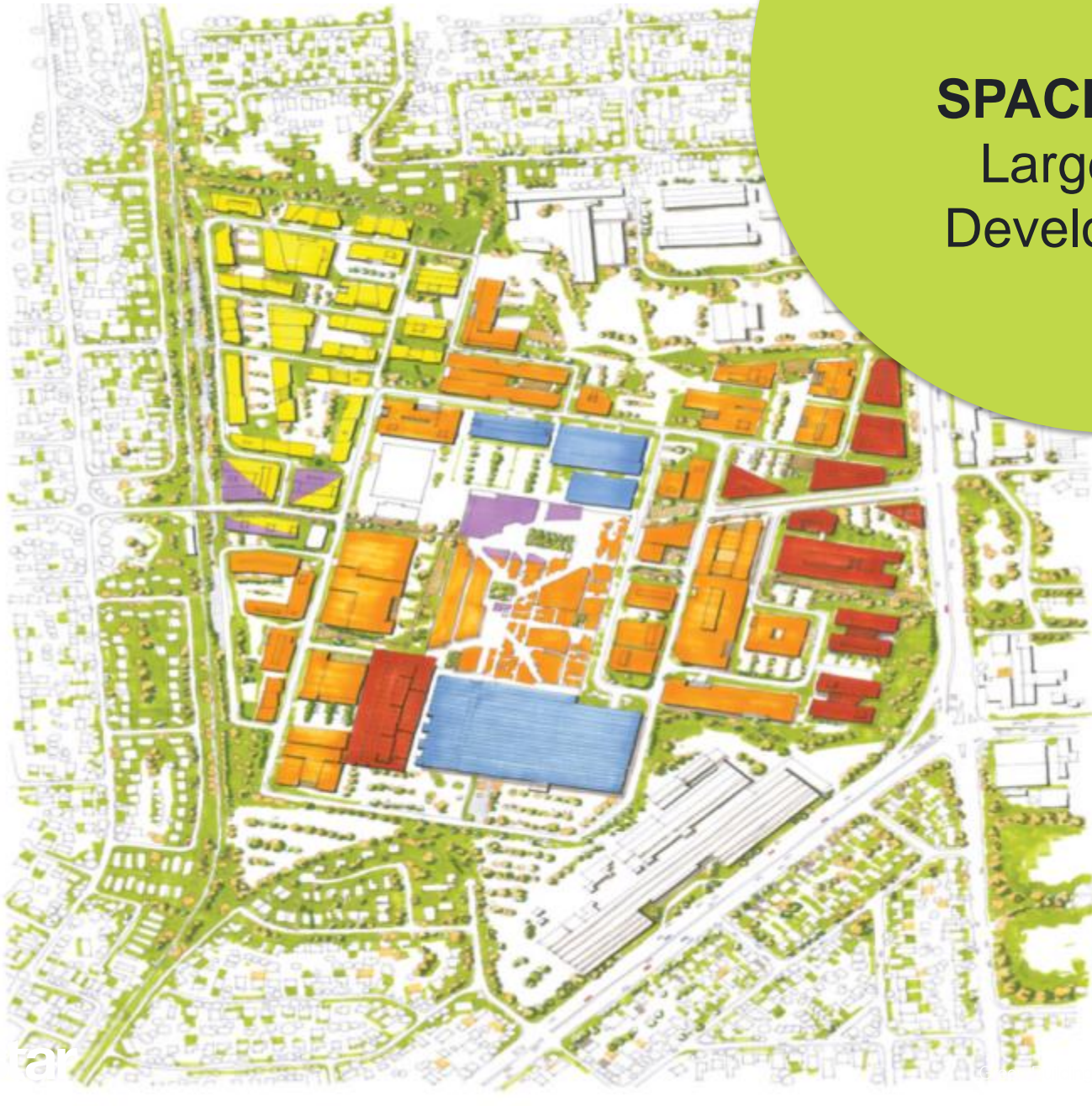
Liveability

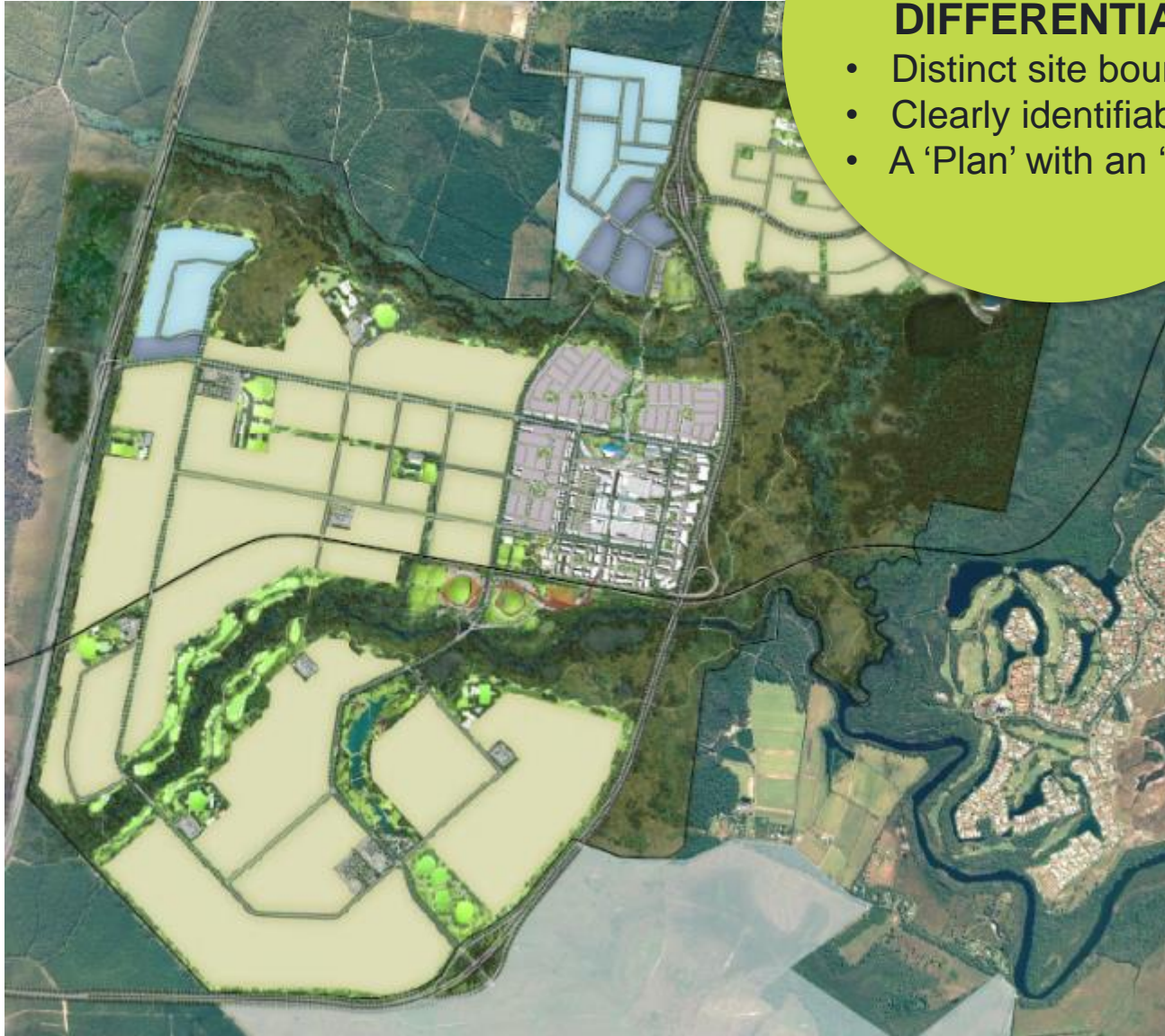
# Eligibility criteria for Green Star – Communities Certification:

- Space Use
- Spatial Differentiation
- Conditional Requirements
- Timing Certification



# SPACE USE: Large-scale Development





## **SPATIAL DIFFERENTIATION**

- Distinct site boundary
- Clearly identifiable
- A 'Plan' with an 'Owner'



# Conditional requirements

- Minimum total of 45 points
- Minimum category scores

Rating	Total Score	Gov	Des	Liv	Econ	Env	Outcome
	Available Points	21	11	23	19	26	
One Star	10-19						
Two Star	20-29						
Three Star	30-44						
Four Star	45-59	3	2	2	3	5	Australian Best Practice
Five Star	60-74	5	3	4	5	8	Australian Excellence
Six Star	75+	7	4	6	7	10	World Leadership

# Green Star - Communities: A Continual Certification



# Recertification every:



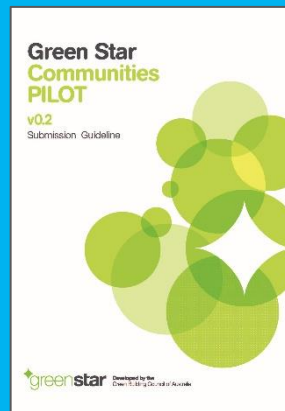
# 5 years



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# Essential Resources

- GBCA Website
- Green Star Rating Tool Scorecard and Calculators
- Submission Guideline
- Submission Templates



Green Star - Communities PILOT				
Rating Tool Scorecard				
Rating Achieved		Total Points		
		Claimed	To be	Achieved
Six Stars		91.00	0.00	91.00
Credit No.	Credit Name	Points Available	Points Claimed	Points to be Confirmed
Env-7	Potable Water Consumption			
	- Alternative water sources	1.00	1.00	1.00
	- Leak detection	1.00	1.00	1.00
Env-8	Stormwater			
	- Volume	1.00	1.00	1.00
	- Pollution Reduction	1.00	1.00	1.00
	- Frequency	1.00	1.00	1.00
Env-9	Materials			
	- Minimum Requirement - Responsible sourcing	1/6		Will not met
	- Concrete	0.50		0.00
	- Steel	0.50		0.00
	- Asphalt	0.50		0.00
	- Aggregate	0.50		0.00
Env-10	Waste Management			
	- Reduction in Site, Construction, and Demolition Waste	1.00		0.00
	- Operational Waste	1.00		0.00
Env-11	Transport			
	- Integrated Transport Planning	1.00		0.00
	- Shared, Pooled or Common Use Parking Regime	1.00		0.00
	- Mass Transport	1.00		0.00
Total		20.00	10.00	0.00
Innovation				
Env-4	Innovation	10.00		0.00
Total		10.00	0	0

# Green Star – Communities PILOT v0.2 on a slide

## Governance



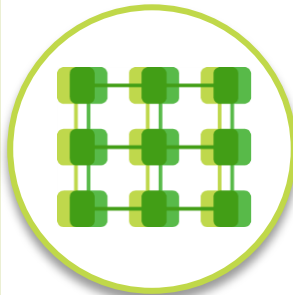
1. Accredited professional
2. Corporate Responsibility
3. Sustainability Awareness
4. Engagement
5. Operational Governance
6. Adaptation and Resilience
7. Environmental Management

## Design



1. Context Analysis
2. Design Review

## Liveability



1. Access to Amenities
2. Community Development
3. Healthy and Active Living
4. Access to Fresh Food
5. Safe Places
6. Culture, Heritage and Identity

## Economic Prosperity



1. Employment and Economic Resilience
2. Education and Skills Development
3. Return on Investment
4. Community Investment
5. Affordability
6. Incentive Programs
7. Digital Infrastructure
8. Peak Electricity Demand

## Environment

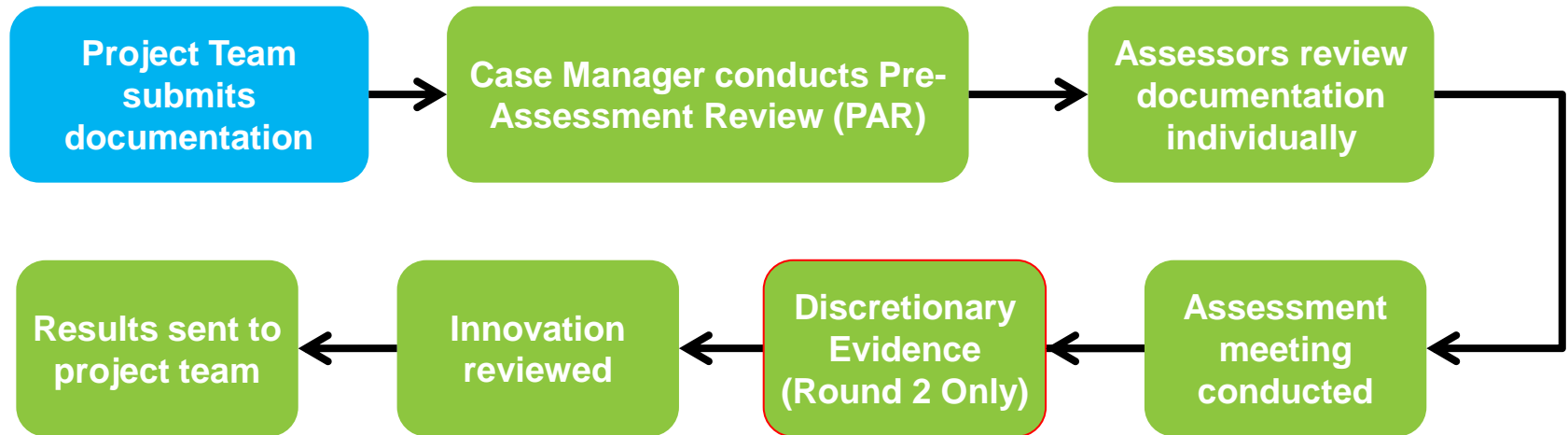


1. Sustainable Sites
2. Ecological Enhancement
3. Heat Island Effect
4. Light Pollution
5. Greenhouse Gas Intensity
6. Sustainable Buildings
7. Potable Water Consumption
8. Stormwater
9. Materials
10. Waste Management
11. Transport





# Assessment Process



## TURNAROUND TIMES:

Round 1 = 6 weeks

Round 2 = 4 weeks

## ASSESSMENT PANEL:

2 x Certified Assessors

1 x Independent Chair

1 x Case Manager

# Green Star is rewarding sustainable outcomes



# The PILOT process

## changing based on feedback



Face to face  
interactions

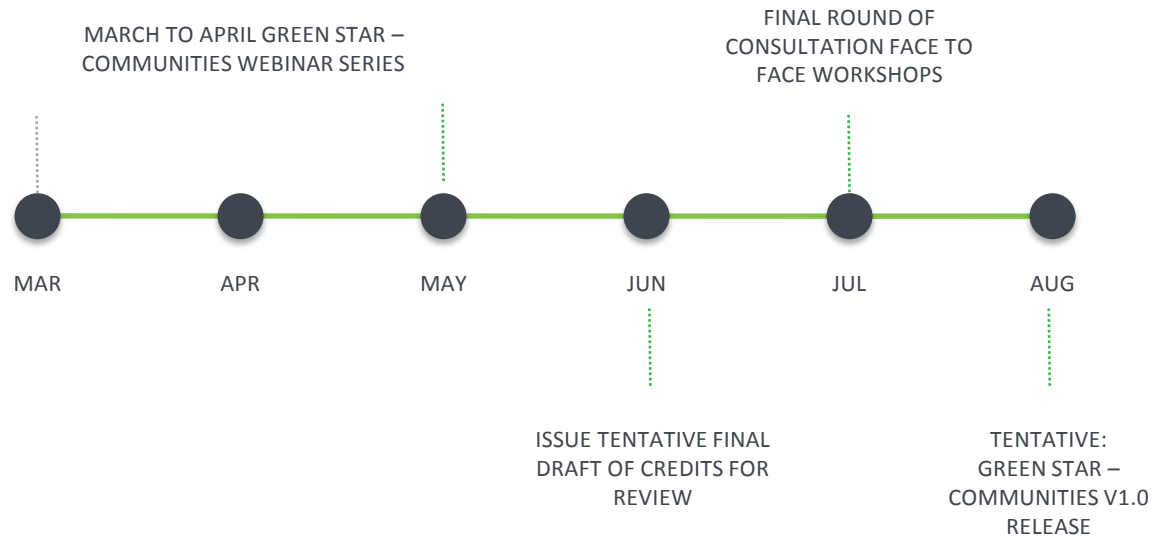


Improve the content  
in line with feedback




Version 1  
July 2015

# Remaining Milestones



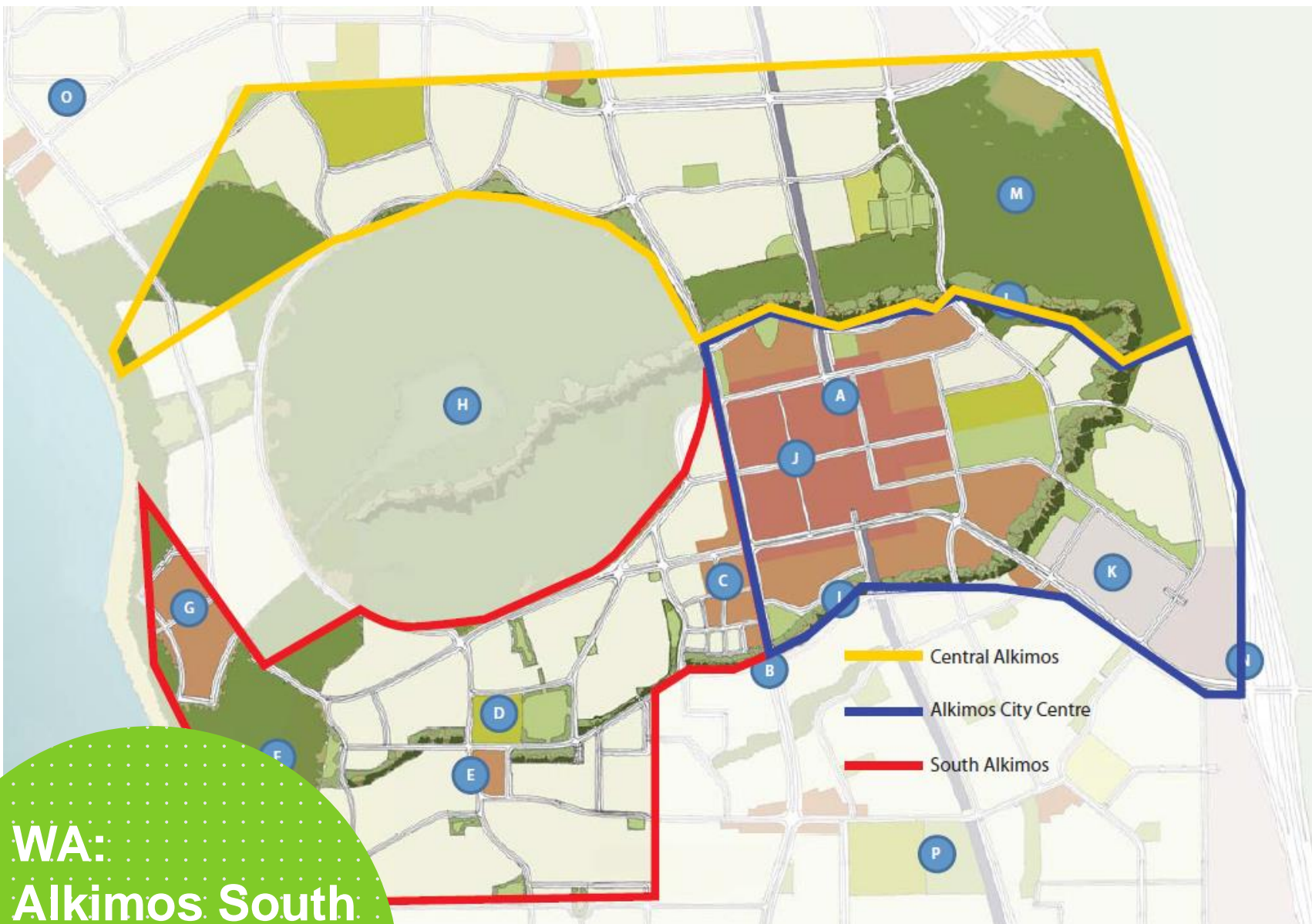


An aerial photograph of a coastal area with a proposed development overlaid. The development includes a central residential area with purple-roofed buildings, a large yellow rectangular area to the west, and a golf course with green fairways and red sand traps to the south. Blue water bodies and a winding river are visible. A green dotted circle in the bottom left contains the text 'QLD: Caloundra South'.

# QLD: Caloundra South

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WA:  
Alkimos South



WA:  
Alkimos South





WA:  
Greater Curtin  
University





# *Brisbane International*

QLD:  
Brisbane Airport  
Corporation





NSW:  
Barangaroo  
South



An architectural site plan for Tonsley Park, showing a dense urban layout with various building footprints, streets, and green spaces. The plan is oriented with North at the top. A large green circle with white dots is overlaid on the bottom left corner, containing the text 'SA: Tonsley Park'.

# SA: Tonsley Park

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◀ P  
Information and Sales Centre  
Bowden

SA:  
Bowden Village

# Questions?



# Thank You

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

