

# Green Star Communities

## Summary of Changes From PILOT to v1

August 2015



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Date issued: August 2015

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### Version Control

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Version	Date	Description of changes
1	3/08/2015	Merged document
1.1	13/08/2015	Minor Revisions and Updates to detail provided

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## Introduction

This document provides an overview of the revisions made to the Green Star – Communities PILOT Submission Guideline to its release as a Version 1. The sections of this document list the credits that are included in each category and a description of changes and updates that have been made.

## What is measured?

Green Star – Communities assesses a plan for development's attributes against best practice benchmarks across 32 issues, with one conditional requirement. The 32 issues are organised over 5 categories. The 5 categories are:

- Governance
- Liveability
- Economic Prosperity
- Environment
- Innovation

## The Conditional Requirements

There is only one conditional requirement in the rating tool 'Sustainable Sites' in the Environment Category. The conditional requirement requires that, in cases where the project is subject to approval under the Environmental Protection and Biodiversity Conservation Act as a controlled action, the project receives approval (please note that the approval is not required prior to registration, see credit number 28 Sustainable Sites).

## Key revisions to note

### Eligibility requirements

The **eligibility requirement** for **Space Use** has been revised:

There is now no size requirements imposed for *Green Star – Communities* project eligibility. Instead project applicants must consider the impact the development is likely to have in line with the following statements.

- The development will result in significant extra burdens on public transport systems or highways requiring extra capacity or new transport infrastructure (cycle/pedestrian routes, roads, parking, etc.);
- The development includes or makes use of adjacent areas of public realm for occupants and visitors;
- The development will lead to the enhancement, diversification or addition of local employment, social mix, or ecological value;
- The development includes dwellings that will require the provision of new, or additional capacity in existing, medical centres, schools, retail centres, places of religious worship, and other similar facilities and services;
- The scale of the development could create opportunities for community-level provision of utilities including energy, water and waste services or where there would be potential for linking the project to other new or existing developments in the area to make such options viable;
- The development is likely to have a significant impact on existing communities.

The rating tool is designed to be used by projects where the majority of the statement above would apply. It is not an exhaustive list, but a guideline as to the attributes of the types of developments that will benefit from the application of the *Green Star – Communities* rating tool.

### Recertification

The requirements for **recertification** have been revised:

Projects will **continue to recertify under the rating tool version under which they registered for initial certification** unless they specifically choose to upgrade to the most up to date version. If a project decides to upgrade to the most up to date version of the rating tool they must do so totally and will no longer have access to credits or content from the rating tool under which they were registered and achieved their initial certification or any other versions preceding the most up to date of the rating tool to which they are upgrading.

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### Categories in Green Star – Communities v1

Due to changes in the rating tool based on feedback, the 'Design' category has been removed. Design outcomes are still a valid part of the rating tool, and addressed comprehensively.

Green Star – Communities PILOT followed the statements set out in the Green Star - Communities Framework. Principle 4 of the framework stated the requirements to embrace 'Design Excellence' by adopting effective planning techniques, encouraging integrated design, having adaptable approaches, creating desirable places, and promoting accessibility. These aspects are still clearly addressed in credits found throughout Green Star – Communities v1, they are now a core outcome from addressing the multiple credits found in the rating tool.

### General credit amendments

The following changes have been made to **all credits**:

- Credit codes (i.e. Gov-1), image and Credit Summary have been removed; and
- Any requirement for a Short Report to be submitted as documentation has been removed. Short reports have been replaced by the detail and information in the mandatory Submission Templates required to be submitted for each credit. The Submission Templates also remove the requirement for a separate Credit Cover Sheet. Submission Templates have been developed by the GBCA as an intrinsic part of the *Green Star – Communities* rating tool. Project teams must use Submission Templates in the submissions for certification.
- The Credit Criterion in each Credit has been identified as being either **PROCESS or OUTCOME**.

#### Process Credit Criterion

Process credit criteria focus on the processes involved in planning, designing and delivering the plan for development. The success of these processes in large part determines the quality of the plan for development.

PROCESS criteria address HOW a design comes about, i.e. the best practice method used. Engagements with stakeholders, the project's approach to Environmental Management, the application of Design Review etc., are some examples of processes required in credits.

#### Outcome Credit Criterion

Outcome credit criteria focus on the attributes of the place that will be delivered when the plan for development is fully built out. OUTCOME criteria address WHAT it will be like for those who occupy the project site, when the project is complete, i.e. what will be available to the project occupant.

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- A **numbering system** has been introduced into all credits to allow for cross referencing between the compliance requirements of the credit criteria and the supporting information/evidence as detailed in the Submission Templates.
- **Documentation Requirements:** Each credit has a set of Documentation Requirements which require the corresponding Submission Template for the credit to be provided. The Submission Template is both narrative and evidential in nature and details how the project team has responded to the requirements of the credit. This is intended to be a simple document which confirms, and identifies evidence of, the actions taken for the project to demonstrate compliance. For the majority of credits a list of supporting documents is also provided in this section, for each criterion in each credit. These lists suggest the type of evidence that is required for a project to demonstrate compliance. Evidence is to be referenced in the Submission Template and attached to the submission documentation. A number of options or examples of evidence are typically provided, depending on the type of certification being applied.

## Governance

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>01. Green Star Accredited Professional</b>	<p><b>Gov-1 Accredited Professional</b></p> <p>Credit Criteria simplified. Items which could be covered in the Compliance Requirements have been removed for clarity.</p> <p>The Compliance Requirements and Documentation Requirements have been expanded to ensure all aspects of compliance are adequately covered for all forms of submission.</p> <p>There is no longer a supplementary guide. The project inception checklist is now available as a download from the web-site.</p>	<p><b>Gov-1 Accredited Professional</b></p> <p>General Formatting</p> <p>The GBCAs advice on the role of the GSAP – Communities and project workshops moved to the 'Guidance' section of the credit.</p>	<p><b>01. Green Star Accredited Professional</b></p> <p>This credit has been aligned so that the overall content is the same in all new generation rating tools.</p> <p>There are however some requirements specific to the Green Star – Communities rating tool. For example:</p> <ul style="list-style-type: none"> <li>• The Project Inception Checklist for a project's initial certification; and</li> <li>• The requirement for the GSAP to facilitate at least two workshops.</li> </ul>

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
02. Design Review			<p><b>02. Design Review</b></p> <p>The 'Design Review' credit has been included in the Governance category in recognition of its focus on the process of design development and the delivery of the plan for development.</p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>



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<b>03. Engagement</b>	<b>Gov-4 Engagement</b>  The Compliance Requirements have been revised to remove the reference to 'Engaging Queenslanders' and to clarify the inclusion of IAP2 as the best practice benchmark for the credit. The key points for the content and implementation of a Stakeholder Engagement Strategy have been reviewed and clarified.  The requirement for two independent peer reviews during a strategy's implementation has been replaced with the requirement for continual evaluation, review, and revision as required following identified strategy review milestones.  Detail provided on what to do should a project wish to use alternative guidelines.	<b>Gov-4 Engagement</b>  General Formatting  Further detail provided on the key attributes of a visioning process.	<b>03. Engagement</b>  'Community Vision' is no longer a separate credit criterion in this credit.  Developing a community vision now forms part of the overall compliance requirements for 'Stakeholder Engagement Strategy' and 'Strategy Implementation'.  The two additional points that were available for developing a community vision have been retained within the credit. There are 3 points available in the two remaining credit criterion.

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>04. Adaptation and Resilience</b>	<p><b>Gov-6 Adaptation and Resilience</b></p> <p>Revised to incorporate recognized standards and Guidance and updated checklists and data that are or will be available in the near future.</p>	<p><b>Gov-6 Adaptation and Resilience</b></p> <p>General Formatting.</p>	<p><b>04. Adaptation and Resilience</b></p> <p>References to third party data, that has been updated and is now available, have been updated. For example CSIRO's <a href="#">Australian Climate Futures portal</a>.</p> <p>The requirement for the Community Resilience Plan (CRP) to be provided to the local Council and emergency management authority has been removed.</p> <p>Instead, it must be clear that the CRP aligns with any local disaster management plan(s) prepared by the relevant District, Local Council or State and Territory authorities who have a regulatory responsibility within their boundaries for coordinating and planning disaster and emergency response.</p>

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<b>05. Corporate Responsibility</b>	<b>Gov-2 Corporate Responsibility</b>	<b>Gov-2 Corporate Responsibility</b>	<b>05. Corporate Responsibility</b>
	<p>Credit Criteria revised to bring the criteria in line with the most up to date version of GRI.</p> <p>Guidance provided in line with the latest version of GRI and how it relates to ISO 26000. Further detail provided on what to do should a project wish to use alternative guidelines.</p> <p>In the Documentation Requirements an option for commitment to sustainability reporting has been provided at initial certification to recognize a commitment to a change in behavior going forward.</p>	<p>General Formatting.</p> <p>Further information provided on the seven core subjects that a socially responsible business should address in line with ISO 26000.</p> <p>Clarification provided on the acceptability of versions of GRI Guidelines that have been superseded.</p>	<p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>

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<b>06. Sustainability Awareness</b>	<p><b>Gov-3 Sustainability Awareness</b></p> <p>Grammar, language and clarification.</p>	<p><b>Gov-3 Sustainability Awareness</b></p> <p>General Formatting.</p> <p>Expanded definition of 'Industry Capacity Building'.</p>	<p><b>06. Sustainability Awareness</b></p> <p>The 'Industry Capacity Building' credit criterion in this credit has been moved to '19. Education and Skills Development'. There are now only 2 points available in this credit.</p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the content of the remaining two credit criteria is essentially unchanged from that published in v0.2.</p>
<b>07. Community Participation and Governance</b>	<p><b>Gov-5 Operational Governance</b></p> <p>Grammar, language and clarification. The Documentation Requirements have been split and expanded for clarity.</p>	<p><b>Gov-5 Operational Governance</b></p> <p>General Formatting.</p>	<p><b>07. Community Participation and Governance</b></p> <p>For both credit criteria the focus has been changed from a '<i>community owned and led entity</i>' to a '<i>community led entity</i>'.</p> <p>Further detail provided in the Compliance Requirements of the credit.</p>

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<b>08. Environmental Management</b>	<b>Gov-7 Environmental Management</b>  Changed operational works to construction works and simplified the credit criteria - providing explanation in the Compliance Requirements.  Order of Credit Criteria Changed because the EMS is the overarching document and EMPs are under an EMS.  Added definition for Construction Works. In line with Environmental Planning and Assessment Act 1979 - excluding any building work (erection of a building). This aligns the definition with the guidance documents on the development of EMP and the definition of project.  Added exclusion of contracts with a contract value equal to or less than \$5million.	<b>Gov-7 Environmental Management</b>  General Formatting.	<b>08. Environmental Management</b>  Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.

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## Liveability

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>09. Healthy and Active Living</b>	<p><b>Liv-3 Healthy and Active Living</b></p> <p>Credit Criteria - Minimum Requirement revised to provide an approach based on street hierarchy.</p> <p>Active Transport Credit Criteria renamed 'Active Lifestyle' and the reference to public transport has been removed.</p> <p>Compliance Requirements - Reference information provided for street hierarchy footpath requirements.</p> <p>Reference to Public Transport in regard to active living removed - covered by Env-11.</p> <p>Documentation Requirements revised to reflect changes to the minimum requirement and further detail is provided for documenting the Healthy spaces and Places credit criteria.</p>	<p><b>Liv-3 Healthy and Active Living</b></p> <p>General Formatting.</p>	<p><b>09. Healthy and Active Living</b></p> <p>The compliance requirements with regard to open space provision for the 'Recreational Facilities' credit criterion have been revised to reflect the NSW Government 'Recreation and Open Space Planning Guidelines for Local Government'. The provision of open space within the project site, combined with existing open space assets, must result in no less than 2.83ha of open space being accessible per 1000 project occupants.</p>

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<b>10. Community Development</b>	<b>Liv-2 Community Development</b>  Points Available reduced to 4.  Community Event frequency changed to quarterly for the first year after which an evaluation of the type and frequency of events should be undertaken to inform the program going forward.  Addition of requirements for monitoring, measuring, evaluation and review of the Community Development Plan - to ensure quality not quantity of events.	<b>Liv-2 Community Development</b>  General Formatting.  Updated Documentation Requirements.	<b>10. Community Development</b>  Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.

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Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>11. Sustainable Buildings</b>	See Env-6 Sustainable Buildings	See Env-6 Sustainable Buildings	<p><b>11. Sustainable Buildings</b></p> <p>The ‘Sustainable Buildings’ credit has been included in the Liveability category in recognition of its focus in the broader sustainability focus that includes people-focused outcomes as well as environmental outcomes.</p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit’s content is essentially unchanged from that published in v0.2.</p>
<b>12. Culture, Heritage and Identity</b>	<p><b>Liv-6 Culture, Heritage and Identity</b></p> <p>The Credit Criteria have been simplified to provide two Credit Criteria, one addressing the management and interpretation of Culture, Heritage and Identity and one to address the development and enhancement of Culture, Heritage and Identity.</p>	<p><b>Liv-6 Culture, Heritage and Identity</b></p> <p>General Formatting.</p> <p>Information on the Burra Charter moved to the ‘Guidance’ section of the credit.</p>	<p><b>12. Culture, Heritage and Identity</b></p> <p>The credit has moved away from the formal structure surrounding the Burra Charter and legislation around cultural heritage significance.</p> <p>The focus of the credit has been simplified to seeking to sustain the values of heritage and culture in landscapes, places and objects, individually and collectively, so that they will be shared with other communities, new citizens, visitors and new generations as part of the proposed development.</p>



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<b>13. Walkable Access to Amenities</b>	<b>Liv-1 Access to Amenities</b>  Distance for compliance revised to 400m in line with research into what is typically used as a measure within the industry.  Clarified compliance can be demonstrated through a polycentric approach (multiple activity centers/clusters of amenities not from one point in the geographic center of the site).	<b>Liv-1 Access to Amenities</b>  General Formatting.	<b>13. Walkable Access to Amenities</b>  Further detail has been provided throughout the credit on how to demonstrate compliance. It has been clarified that the credit is focusing on building <b>walkable</b> neighborhood and communities.

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<b>14. Access to Fresh Food</b>	<p><b>Liv-4 Access to Fresh Food</b></p> <p>Grammar, language and clarification.</p> <p>Addition of the term Habitable Buildings.</p> <p>Clarification of what is meant by community garden - providing different types that would be acceptable.</p>	<p><b>Liv-4 Access to Fresh Food</b></p> <p>General Formatting.</p>	<p><b>14. Access to Fresh Food</b></p> <p>The compliance requirement for access to fresh food has been revised to 800m to match the maximum recognized walking distance in the rating tool. This revision is standardized throughout the rating tool where the focus is walkable access.</p> <p>The compliance requirement for the provision of productive landscape/community food gardens has been revised to recognize locations beyond the project boundary. The provision of productive landscape within the project site, combined with any existing eligible community food gardens, must result in no less than 100sqm of productive landscape being accessible, per 1000 residential occupants of the project.</p>
<b>15. Safe Places</b>	<p><b>Liv-5 Safe Places</b></p> <p>Grammar, language and clarification.</p> <p>Addition of a commitment option prior to construction for the 'Design for Safety' Credit Criteria in the Documentation Requirements.</p>	<p><b>Liv-5 Safe Places</b></p> <p>General Formatting.</p>	<p><b>15. Safe Places</b></p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>

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<b>Liv-7 Accessibility and Adaptability</b>	<b>Liv-7 Accessibility and Adaptability</b>  Liv-7 'Accessibility and Adaptability' and Env-6 'Green Buildings' have been combined to create a new Credit. Please see Env-6 'Sustainable Buildings'.	See Env-6 'Sustainable Buildings'	See 11. 'Sustainable Buildings'

## Economic Prosperity

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>16. Community Investment</b>	<p><b>Econ-4 Community Investment</b></p> <p>Focus of the credit clarified as being outcome based. i.e. how sustainable a community is when you consider its access to multiple community facilities.</p> <p>Introduction of a sliding scale for achieving up to 4 points and the requirement to demonstrate compliance against the land use (residential or non-residential) which occupies the greatest proportion of the project site.</p>	<p><b>Econ-4 Community Investment</b></p> <p>General Formatting.</p>	<p><b>16. Community Investment</b></p> <p>The benchmarks for Community Investment have been increased from \$2000 to \$4000 and from \$16 per m<sup>2</sup> to \$32 per m<sup>2</sup>.</p> <p>This was done as a result of feedback from project teams, and cross-referenced with credit achievement levels from certified projects.</p>

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<b>17. Affordability</b>	<b>Econ-5 Affordability</b>  Minimum requirement removed – not considered to specifically reflect the aim of the credit.  Introduced the requirement to demonstrate compliance against the land use (residential or non-residential) which occupies the greatest proportion of the project site.  Credit Criteria clarified in respect to residential and non-residential affordability strategies.	<b>Econ-5 Affordability</b>  General Formatting.	<b>17. Affordability</b>  Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.

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Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>18. Employment and Economic Resilience</b>	<p><b>Econ-1 Employment and Economic Resilience</b></p> <p>Grammar, language and clarification.</p> <p>Definition of Major City updated.</p> <p>Definition of Local Area redefined.</p>	<p><b>Econ-1 Employment and Economic Resilience</b></p> <p>General Formatting.</p> <p>Definition of Local Area updated.</p>	<p><b>18. Employment and Economic Resilience</b></p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p> <p>However, the distribution of points in the credit has been revised. Rather than being a minimum requirement, <b>1 point</b> is now available where projects can demonstrate that the plan for development will result in a net percentage increase in the number of jobs generated in the local area.</p> <p>The second point is available where it can be demonstrated that there is diverse local employment available to the project occupants. There are three compliance pathways, one performance pathway and two prescriptive pathways.</p>

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<b>19. Education and Skills Development</b>	<b>Econ-2 Education and Skills Development</b>  Grammar, language and clarification.  Addition of 45min Public transport commute as an alternative to the distance metric for compliance.  DTS compliance pathway removed.	<b>Econ-2 Education and Skills Development</b>  General Formatting.	<b>19. Education and Skills Development</b>  The 'Industry Capacity Building' credit criterion from 'Sustainability Awareness' has been added to this credit. There are now 3 points available in this credit.
<b>20. Return on Investment</b>	<b>Econ-3 Return on Investment</b>  Aim of Credit expanded to clarify the focus on the positive impact on the project occupants as a result of the financial investment made on optional investment items.  Social Return on Investment (SROI) introduced as an innovation opportunity.	<b>Econ-3 Return on Investment</b>  General Formatting.	<b>20. Return on Investment</b>  Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.

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<b>21. Incentive Programs</b>	<b>Econ-6 Incentive Programs</b>  Credit Criteria amended to provide greater scope for providing incentives to project occupants.  Introduction of a sliding scale for achieving up to 2 points and the requirement to demonstrate compliance against the land use (residential or non-residential) which occupies the greatest proportion of the project site.  The Language in the Compliance and Documentation Requirements has been amended so that it is relevant to all forms of development and its occupants.	<b>Econ-6 Incentive Programs</b>  General Formatting.	<b>21. Incentive Programs</b>  Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.
<b>22. Digital Infrastructure</b>	<b>Econ-7 Digital Infrastructure</b>  Credit Criteria reduced to Fiber-to-the-premises (FTTP) and Wireless Local Area Network.  Introduction of an innovation challenge related to Business Hubs.	<b>Econ-7 Digital Infrastructure</b>  General Formatting.	<b>22. Digital Infrastructure</b>  The requirements for providing high-speed broadband using fixed wireless connectivity have been updated to reflect the most up to date solution available minimum speeds of 25-50Mbps/5-20Mbps.



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<b>23. Peak Electricity Demand Reduction</b>	<b>Econ-8 Peak Electricity Demand</b>  Points available increased to 2.  Grammar, language and clarification.  Aim of Credit has been amended to be clearer in the context of this credit.	<b>Econ-8 Peak Electricity Demand</b>  General Formatting.	<b>23. Peak Electricity Demand Reduction</b>  The prescriptive (DTS) pathway of Fuel Substitution has been removed from the credit.  Other than the general credit amendments, as outlined on pages 5 and 6 of this document and the removal of the Fuel Substitution credit criterion,, the credit's content is essentially unchanged from that published in v0.2.

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## Environment

Credit Names	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>24. Integrated Water Cycle</b>	<p><b>Env-7 Potable Water Consumption</b></p> <p>The points available for this credit have been increased to 4.</p> <p>The Credit approach has been simplified to one Credit Criteria with two ways to demonstrate compliance, a Deemed-to-Satisfy approach and a calculation based approach.</p> <p>The Leak Detection credit criteria has been removed and introduced as an innovation challenge.</p> <p>Introduction of Innovation opportunity for Water Sensitive Urban Design.</p>	<p><b>Env-7 Potable Water Consumption</b></p> <p>General Formatting.</p>	<p><b>24. Integrated Water Cycle</b></p> <p>This new credit seeks to approach Potable Water, Wastewater and Stormwater for the project site holistically through best practice sustainable urban water management.</p> <p>There are two pathways to demonstrating compliance. <b>7 points</b> are available under the performance pathway which is underpinned by the principles of Water Sensitive Urban Design (WSUD) and <b>5 points</b> are available under the prescriptive pathway which is underpinned by the individual criteria as detailed in the following v0.2 credits 'Env-7 Potable Water Consumption' and 'Env-8 Stormwater'.</p>

Credit Names	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>25. Greenhouse Gas Strategy</b>	<p><b>Env-5 Greenhouse Gas Intensity</b></p> <p>Grammar, language and clarification.</p> <p>Name of the credit revised for clarity.</p> <p>GreenPower has been added as a form of compliance.</p>	<p><b>Env-5 Greenhouse Gas Intensity</b></p> <p>General Formatting.</p> <p>As part of the work being undertaken to evolve the Green Star - Communities PILOT rating tool to Version 1.0, the GBCA in collaboration with PILOT project teams has determined that the benchmark for Env-5 Greenhouse Gas Intensity required revision. The revision to the benchmark is detailed in the credit. It should be noted that this revision is also applicable to all superseded versions of this credit (v0.0 and v0.1).</p>	<p><b>25. Greenhouse Gas Strategy</b></p> <p>The focus of the credit has changed from the reduction of the Greenhouse Gas intensity of energy supplied to the project site to a strategy that reduces greenhouse gas (GHG) emissions due to energy use on the project site.</p> <p>There are two pathways to demonstrating compliance. <b>6 points</b> are available under the performance pathway based on the magnitude of the proposed project's predicted reduction in GHG emissions, when compared against a reference project.</p> <p><b>4 points</b> are available under the prescriptive pathway where the future energy consumption and GHG emissions of the proposed project have been reduced by employing some or all of the best practice attributes outlined in the credit.</p>

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<b>Credit Names</b>	<b>Changes from PILOT (v0.0) to v0.1</b>	<b>Changes from v0.1 to v0.2</b>	<b>Changes from v0.2 to v1.</b>
<b>26. Materials</b>	<b>Env-9 Materials</b>  The points available for this credit have been increased to 3.  Grammar, language and clarification.  Alternative approach introduced for the point allocation in the credit. Cost of all compliant materials as a % of the cost of all the relevant materials will provide the % of the 3 points achieved. This provides a more representative weighing to the points achieved for each material in relation to how much of it is used.	<b>Env-9 Materials</b>  General Formatting.	<b>26. Materials</b>  A performance pathway using Life Cycle Assessment (LCA) has been introduced to this credit.  The approach as detailed in the v0.1 and v0.2 Submission Guidelines is retained as the prescriptive pathway.

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Credit Names	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>27. Sustainable Transport and Movement</b>	<p><b>Env-11 Transport</b></p> <p>Grammar, language and clarification.</p> <p>The Mass Transport Credit Criterion was renamed 'Public Transport'.</p> <p>The trigger point for the implementation of shared parking was reduced to 15% occupation of the project site.</p> <p>Intension of the trigger point for public transport to be in place clarified.</p>	<p><b>Env-11 Transport</b></p> <p>General Formatting.</p> <p>Guidance on the calculation of the Average Interval between Services During Peak Periods (AIBSPP) has been incorporated into the credit to remove the requirement to make reference to a separate document.</p>	<p><b>27. Sustainable Transport and Movement</b></p> <p>A performance pathway has been introduced to the credit which focuses on the design and implementation of integrated responses to transport and movement encourage a people-focused hierarchy in accordance with a transport assessment and travel plan.</p> <p>The approach as detailed in the v0.2 Submission Guidelines is retained as the prescriptive pathway.</p>
<b>28. Sustainable Sites</b>	<p><b>Env-1 Sustainable Sites</b></p> <p>This Credit has been combined with Des-1 Site Selection to create a new Credit <b>Env-1 Sustainable Sites</b>. Minimal revisions to the original credit content.</p>	<p><b>Env-1 Sustainable Sites</b></p> <p>General Formatting.</p>	<p><b>28. Sustainable Sites</b></p> <p>Additional detail has been provided on demonstrating compliance with the Conditional Requirements.</p> <p>The credit's remaining content is essentially unchanged from that published in v0.2.</p>

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Credit Names	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>29. Ecological Value</b>	<p><b>Env-2 Ecological Enhancement</b></p> <p>Grammar, language and clarification.</p> <p>Definition of date of site purchase and suitably qualified professional revised.</p> <p>Number of land types in the Ecology Calculator and Guide updated to reflect a reduction to 10 land types.</p>	<p><b>Env-2 Ecological Enhancement</b></p> <p>General Formatting.</p> <p>The Compliance Requirements and Guidance sections of the credit have been updated to remove the requirement for a separate guidance document.</p> <p>Information on vertical gardens and green roofs has been included.</p>	<p><b>29. Ecological Value</b></p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>
<b>30. Waste Management</b>	<p><b>Env-10 Waste Management</b></p> <p>Grammar, language and clarification.</p>	<p><b>Env-10 Waste Management</b></p> <p>General Formatting.</p>	<p><b>30. Waste Management</b></p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>
<b>31. Heat Island Effect</b>	<p><b>Env-3 Heat Island Effect</b></p> <p>Grammar, language and clarification.</p> <p>Introduction of an innovation challenge for demonstrating compliance beyond the plan view of the site.</p>	<p><b>Env-3 Heat Island Effect</b></p> <p>General Formatting.</p> <p>The Credit has been updated to align with the most up to date approach as detailed in the Green Star – Design &amp; As Built rating tool.</p>	<p><b>31. Heat Island Effect</b></p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>

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<b>32. Light Pollution</b>	<p><b>Env-4 Light Pollution</b></p> <p>Grammar, language and clarification.</p> <p>Compliance Requirements updated to include sports field lighting.</p>	<p><b>Env-4 Light Pollution</b></p> <p>General Formatting.</p> <p>Updated Documentation Requirements.</p>	<p><b>32. Light Pollution</b></p> <p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>
<b>Env-6 Sustainable Buildings</b>	<p><b>Env-6 Sustainable Buildings</b></p> <p>This Credit has been combined with Liv-7 Accessibility and Adaptability to create a new Credit <b>Env-6 Sustainable Buildings</b>.</p> <p>Introduction of a sliding scale for achieving up to 4 points and the requirement to demonstrate compliance against the land use (residential or non-residential) which occupies the greatest proportion of the project site.</p> <p>A new compliance pathway has been introduced for residential addressing both NatHERS and Livable Housing Australia.</p>	<p><b>Env-6 Sustainable Buildings</b></p> <p>General Formatting.</p>	<p>See <b>11. Sustainable Buildings</b> in the Liveability Category, as this credit has a broader sustainability focus that includes people-focused outcomes as well as environmental outcomes.</p>

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Env-8 Stormwater	<p><b>Env-8 Stormwater</b></p> <p>Credit Criteria for frequency has been replaced with Reduced Peak Discharge (2 year ARI event).</p> <p>Introduction of Innovation Challenge for Water Sensitive Urban Design.</p>	<p><b>Env-8 Stormwater</b></p> <p>General Formatting.</p>	<p>See <b>24. Integrated Water Cycle</b> in the Environment Category</p>

## Innovation

Credit Names	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>Innovation</b>		<p>The Innovation credit has been revised to align with the most up to date approach as detailed in the <i>Green Star – Design &amp; As Built</i> rating tool.</p>	<p>Other than the general credit amendments, as outlined on pages 5 and 6 of this document, the credit's content is essentially unchanged from that published in v0.2.</p>



## Design

(NB – this is no longer a stand alone category in the rating tool.)

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>Des-1 Site Selection – See 28. Sustainable Sites</b>	<p><b>Des-1 Site Selection</b></p> <p>Des-1 'Site Selection' and Env-1 'Site Sensitivity' have been combined to create a new Credit. Please see Env-1 'Sustainable Sites'.</p>	See Env-1 Sustainable Sites	See 28. Sustainable Sites

Credit Name	Changes from PILOT (v0.0) to v0.1	Changes from v0.1 to v0.2	Changes from v0.2 to v1.
<b>Des-2 Context Analysis</b>	<p><b>Des-2 Context Analysis</b></p> <p>Updated to allow master and urban planning documents to address site and site context analysis; address existing TC's and CIR's; and allow project teams to determine the boundary for their site and site context analysis. Table 1 removed on the basis that project team will justify the scales and extent of the projects site analysis as relevant to the scale of the project. General note added about consistency of relevant credits throughout the submission.</p> <p>Some information which was in the Compliance Requirements has been moved into the guidance section to inform projects rather than being prescriptive.</p>	<p><b>Des-2 Context Analysis</b></p> <p>General Formatting</p> <p>Updated Documentation Requirements</p>	<p><b>Credit removed from the rating tool, as a stand alone credit:</b> Following consistent feedback from our stakeholders the GBCA deleted the CONTEXT ANALYSIS from rating tool – the feed back that was received was that the credit detailed standard practices that were part of the masterplanning process. As such in awarding points for context analysis the rating tool was awarding project teams for what they are required to do, what could be simply described as average/good practice. The opinion of stakeholders has been that if project teams are not undertaking these standard practices then a project team will be unable to demonstrate compliance with the best practice as detailed in the rest of the credits in the rating tool an as such indirectly the rest of the credits in the rating ensure that as a minimum average/good practice in context analysis is being undertaken by all projects and is not something that supports a tangible sustainability attribute that can be clearly quantified and requires recognition as a separate credit.</p>

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<p><b>Des-3 Site Planning and Layout</b></p> <p><b>Des-3 Design Review</b></p> <p><b>See 02. Design Review</b></p>	<p><b>Des-3 Design Review</b></p> <p>Des3 and Des-4 have been combined to create a new Credit <b>Des-3 Design Review</b>. The information that was provided in the 'Best Practice Design Review Guide' has been incorporated into the credit.</p> <p>There is no longer a supplementary guidance document.</p> <p>There are up to 8 points available in the new combined credit. Up to 4 points for each Credit Criteria.</p>	<p><b>Des-3 Design Review</b></p> <p>General Formatting.</p>	<p>Moved to the Governance Category – See <b>02. Design Review</b></p>
<b>Des-4 Urban Design</b>	<p>Des-3 'Site Planning and Layout' and Des-4 'Urban Design' have been combined to create a new Credit. Please see <b>Des-3 'Design Review'</b>.</p>	<b>Not applicable.</b>	<b>Not applicable.</b>