

The following information sheet is designed to encourage local developments and infill projects to be accredited under the Green Star Developments, EnviroDevelopment, One Planet Living or Living Community Building Challenge. All of these programs will allow a development to become endorsed as a Waterwise Development.

### **Green Star – individual buildings to entire communities**

#### Summary

- Founded in 2003 by the Green Building Council of Australia
- Internationally recognised sustainability rating system/framework for the built environment
  - Designed to set the standard for healthy, resilient and positive buildings and places
  - Australia's only national, voluntary rating system
- Changing the way Australia's built environment is designed, constructed and operated – from an individual building to an entire community
- Developed for the Australian environment
  - Thousands of sustainable fitouts, homes, buildings and communities have been certified by Green Star around the country
- Certification from Green Star provides independent assurance that high standards have been met across a range of sustainability categories
  - Done through a simple online process which is managed by the Green Building Council of Australia
  - Use registered certification trademarks – approved by ACCC
  - If a product/service has a certificate trademark it indicates to consumers that it meets particular standards
- Most people have probably visited a library, office, sport facility, retail centre, apartment complex, shopping centre or train station that has been certified by Green Star
  - If certified – you will see the Green Star logo, which indicates that the place is good for the environment, healthy for people and ready for the future
  - Green Star has a project directory to find a project near you:  
[https://www.gbca.org.au/project-directory.asp?\\_ga=2.241137158.429451059.1643678961-1292510979.1643678961](https://www.gbca.org.au/project-directory.asp?_ga=2.241137158.429451059.1643678961-1292510979.1643678961)

#### For more information:

<https://gbca-web.s3.amazonaws.com/media/documents/introducing-green-star.pdf>

<https://new.gbca.org.au/green-star/exploring-green-star/>

## **EnviroDevelopment – multi-unit residential to master planned communities**

### Summary

- Scientifically-based assessment scheme/branding system
  - Independently reviews development projects
  - Awards certificates to projects with outstanding performance across four or more of the following elements: water, community, waste, energy, ecosystems and materials
  - Designed to help consumers/purchasers recognise and select environmentally sustainable homes and lifestyles
- Projects that are certified – have been carefully designed to use resources responsibly and to protect the environment and offer a range of benefits to individuals, businesses and governments
  - If development/project certified – entitled to display EnviroDevelopment icons, which indicates that it has been designed to be more environmentally friendly

### For more information:

<http://envirodevelopment.com.au/>

<http://envirodevelopment.com.au/envirodevelopment-explained/>

## **One Planet Living**

### Summary

- Vision = ‘a world where we can live happily within the Earth’s resources’
  - Provide a ‘straightforward framework to achieve this’
- Bioregional created the One Planet Living sustainability framework based upon their learnings from the BedZED eco-village
  - Framework consists of 10 simple principles and detailed goals/guidance – developed in conjunction with the WWF
- 10 One Planet Living principles:
  - Health and happiness
  - Equity and local economy
  - Culture and community
  - Land and nature
  - Sustainable water
  - Local and sustainable food
  - Travel and transport
  - Materials and products
  - Zero waste
  - Zero carbon energy
- Framework has helped a range of stakeholders achieve their sustainability objectives, including:
  - Schools and community groups
  - Businesses
  - Local authorities
  - Tourist resorts/destinations
  - Developers
  - Home builders

### For more information:

<https://www.bioregional.com/one-planet-living>

## **Living Community Challenge**

### Summary

- Vision = ‘how do we create communities that are good for everyone?’
- Framework for planning, designing and construction
  - Designed to create a symbiotic relationship between individuals and all aspects of the built environment
- Program = call to governments, planners, developers, campuses and neighbourhood groups to design communities that are connected and beautiful
- Framework organised into seven performance areas (called Petals):
  - Place Petal
  - Water Petal
  - Energy Petal
  - Health and Happiness Petal
  - Materials Petal
  - Equity Petal
  - Beauty Petal
- Work with the following stakeholders ‘who want their community to thrive’:
  - Developers
  - Planners
  - Higher education campuses
  - Neighbourhood associates and community groups
  - Architects and landscape architects
  - Engineers
  - Sustainability consultants
  - Municipalities and development authorities

For more information:

<https://living-future.org/lcc/>

<https://living-future.org/lcc/basics/>

## **Etool (also available as an app)**

### Summary

- Vision: “benchmarking made easy”
- A consulting service that will model your project accurately to quantify, compare, improve and certify the environmental performance (organised into 3 segments)
  - Target Setting (Initial consultation)
    - Set performance based environmental targets
    - Identify and assign strategies to reduce environmental hotspot
  - Life Cycle Design & Assessment (Development phase)
    - Quantify environmental impacts
    - Compare against relevant benchmarks
    - Identify and model improvement
    - Full reports that identify and quantify sustainability recommendations
    - Complete with a cost-analysis for the proposed recommendations
  - Certification (Completion)
    - Carry out an ISO compliant independent review
    - Complete LCA report

- Ensure high quality user input and compliance with international standard (including Green Star, BREEAM, LEED, Infrastructure Sustainability and CEEQUAL)
- RapidLCA App
  - streamlines the sustainability assessment of lower density residential buildings
  - great application at the local government level
  - support planning requirements and decarbonise residential buildings
- Work with the following stakeholders
  - Homeowners
  - architects/designers
  - builders
  - developers of multi-billion-dollar projects

More information: <https://support.etoollcd.com/index.php/knowledgebase/>