

SUSTAINABLE & SUSTAINING ARCHITECTURE AWARD CHECKLIST

The objectives of sustainability are to:

- enhance individual and community well-being and welfare by following a path of economic development that safeguards the welfare of future generations;
- provide for equity within and between generations; and
- protect biological diversity and maintain essential ecological processes and life support systems
- improve the quality of people's lives
- produce and mitigate the impacts of climate risk

ASSESSMENT CRITERIA FOR SUSTAINABILITY AWARD

Provide information on each relevant item below by writing, diagrams, etc. Describe or confirm the items that were prioritised in the project, progressively ticking the boxes on the right. The impacts and responses to the items below can be considered at a range of scales, global, regional, catchment and specific sites for a range of building typologies. They must be addressed for the construction process and the use of the building.

GUIDELINE AND REGULATORY ISSUES

In general: Did the project consider or respond to any statutory codes, design guidelines or standards during design, construction or post occupancy?

1 Reference to any local planning instrument, design guidelines, advisory notes or standards	
2 Approvals received associated with any guideline or regulatory submission	

SITING AND URBAN ISSUES

In general: Was site planning demonstrably appropriate with regard to the opportunities and constraints of the natural and built environment during design and construction?

1 Appropriateness of siting & design with regard to natural and man-made elements	
2 Utilisation of existing buildings, materials, facilities, infrastructure, etc.	
3 Facilitation of pedestrian and non-motorised transport	
4 Resilience and Adaptation to future threats – fire, cyclone, flood, storm surge, sea level rise	

ENERGY EFFICIENCY AND CONSUMPTION

In general: How has ingenuity of design enabled the building's operational energy to be reduced across the seasons compared to other similar buildings? How has this also been considered during construction?

6 Appropriateness of siting & design with regard to microclimate (eg sun, wind, humidity, etc.)	
7 Utilisation of local resources, economy and contribution to place	

8	Evidence of energy audits, benchmarks, targets or thermal modeling where undertaken	
9	Strategies for implementation of passive thermal design	
10	Strategies for implementation of active energy efficient lighting, equipment, appliances and processes	
11	Maximisation of use of renewable and low-impact energy sources	
12	Minimisation of energy used in construction	

SELECTION OF BUILDING MATERIALS AND PROCESS

In general: Has selection of materials and processes considered wide-ranging environmental impact for the design and the construction process?

14	Maximisation of use of renewable and/or recyclable materials and components	
15	Minimisation of use of non-renewable resources	
16	Embodied environmental impacts	
17	Improvements in indoor air quality and reduction of contamination and off-gassing	
18	Ability to re-use and recycle materials and components	

PROTECTION OF LAND AND ECOLOGICAL SYSTEMS

In general: How has the design acknowledged opportunities to harvest, use, re-use or recycle on-site resources during the construction and life of the building?

19	Minimisation of pollution of air, earth and water eg, acid sulphate soils, salinity	
20	Maximisation of conservation, collection, recycling, etc of water	
21	Application of environmental sewage systems	
22	Impacts on natural hydrology	
23	Maintenance and enhancement of natural ecological features and systems (eg habitat corridors)	
24	Strategies for minimisation and recycling of operational waste, eg paper, glass, compostables	

SOCIAL ISSUES

In general: Does the design improve people connecting, developing community and improve the quality of people's lives?

23	Response, support and/or recognition of local social context	
24	Contribution to local community in terms of economy, education, training, transport, etc.	
25	Equitable access/universal design	
26	Protection of manifest culture	
27	Health – physical and mental health considerations	