

SUSTAINABLE 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
- reduce and mitigate the impacts of climate risk

1. Project Summary (150 words max)

Outline the project intention in relation to sustainability and any targets or concepts that were discussed.

2. Is the building 100% Electric?

3. Is there gas in the project? If so, why?

4. Is the building/client on 100% accredited GreenPower? If not, why?

5. Environmentally Sustainable Design (ESD) Benchmark: (drop down list)

6. Operational Energy: (drop down list)

7. Annual Energy consumption (kWh/m²/yr) based on power bills: *(please include de-identified power bills when you upload this checklist to your Awards entry)*

8. Annual estimated Energy consumption (kWh/m²/yr) based on PHPP modelling:

9. Annual estimated Energy consumption (kWh/m²/yr) or MJ based on NatHers modelling:

10. Size (Gross Internal Floor Area) in m²:

11. Provide comment about size and sustainability: (max 50 words)

Consider efficiency, adaptive re-use, retrofit, occupants per m², consolidation of rooms, etc.

12. Siting and Form Response: (max 100 words)

Consider orientation (solar access, external shading, use of vegetation, etc), passive heating and cooling (thermal mass, cross ventilation, heat sinks, etc.), resilience and adaptation to future scenarios, and response to transport (encourage non-car use).

13. Hot Water Service: (drop down list)

14. Space Heating: (drop down list)

15. Space Cooling: (drop down list)

16. Cooking: (drop down list)

17. Renewable Energy Generation: (50 words)

Consider system type and capacity (PV, wind, etc.), and battery type and capacity.

18. Air Tightness: (50 words)

Blower Door Test result for air exchange rate per hour (tested @50PA):

19. Insulation:

Type and R or U value average (U-value, W/m²k, preferred

Roof(s):

Wall(s):

Floor(s):

Windows(Uw or SHGC Value):

20. Glass Type: (drop down list)

21. Window Frames: (drop down list)

22. Embodied Energy and Materials: (100 words)

Has a WLA (Whole Life Assessment) or LCA (Life Cycle Assessment) been completed for this project? If not, please describe how you considered WLA or LCA. List any reclaimed, recycled, recyclable, local or sustainable materials.

23. Water: (50 words)

Consider Rainwater collection type and size; low flush and low-flow fixtures and fittings; Greywater re-use; water sensitive urban design or stormwater retention details.

24. Waste: (50 words)

Consider approach to how construction waste was minimised or recycled. Please list how many waste streams have been provided for collection and how minimisation of landfill has been considered.

25. Health and Wellbeing: (50 words)

Consider mechanical ventilation for improved indoor air quality (make/model); indoor air quality for allergies (i.e. no carpet); non-toxic, low VOC materials; biophilic design.

27. Landscape: (100 words)

Consider permaculture response (biodiversity, composting, etc); planting selection (indigenous, drought-tolerant, edible, canopy, deciduous for shade, etc).

Post Occupancy Evaluation (POE)

28. What is the energy usage per person?

Please included most recent bill when you upload this checklist to your Awards entry)

29. What are the carbon emissions per person?