

ARCHITEAM AWARDS

(Sustainability & Regenerative Criteria)

For all project entries in categories: Residential New, Alts + Additions, Heritage, Commercial, Community & Public, and Unbuilt. Complete what is relevant and practicable to include: this is intended as a helpful document

THE INTENT IN INCLUDING AND ASSESSING THE SUSTAINABILITY CRITERIA:

- celebrate and encourage architecture and advocacy projects that demonstrate innovation and excellence in sustainability
- increase the awareness of sustainability measures for members and the general public
- lift the bar beyond sustainability (doing less harm) towards a regenerative approach (doing more good)
- celebrate small, non-building, unconventional or other project which only some of the criteria applies

SUSTAINABILITY OBJECTIVES

- net-zero buildings
- resilient, climate-responsive and high-performance buildings that minimise energy consumption
- low embodied energy
- buildings that generate energy on site
- non-polluting construction techniques and minimisation of waste
- minimise water usage
- improve biodiversity and site ecology
- healthy indoor environmental quality
- social contribution

BRIEF

Outline the project intention or the client's brief in relation to sustainability and any targets or concepts that were discussed which informed the approach in the box below.

[50 words max]

ENVIRONMENTALLY SUSTAINABLE DESIGN (ESD) BENCHMARK

OPERATIONAL ENERGY

SIZE

- Gross Internal Floor Area: **m2**

Total area of all enclosed spaces measured to the internal face of external walls. It includes the footprint of interior partitions. The area of sloping surfaces such as staircases and ramps are taken as their area on plan. Voids and unenclosed areas such as balconies are excluded.

Provide comment about size and sustainability in response to client brief: efficiency, adaptive re-use, retrofit, occupants/m2, consolidation of rooms, etc. in the box below.

[50 words max]

SITING + FORM RESPONSE

- 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:
- response to transport (encourage non-car use):

[50 words max]

SERVICES

HOT WATER SERVICE:

SPACE HEATING:

SPACE COOLING:

COOKING:

RENEWABLE ENERGY GENERATION

- System type and capacity: (PV, wind, etc.)
- Battery type and capacity: (model, capacity)

[50 words max]

BUILDING FABRIC/INSULATION

The National Construction Code (NCC) is changing to reflect best-practice Building Science involving air-tightness test results and U-value terminology

AIR TIGHTNESS

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

INSULATION: type and R or U value (U-value, W/m²k, preferred)

- Roof(s): (list with R or U Value or provide average)
- Wall(s): (list with R or U Value or provide average)
- Floor(s): (list with R or U Value or provide average)
- Windows (Uw): (list with U or SHGC Value or provide average)

GLASS TYPE

WINDOW FRAMES

EMBODIED ENERGY/ MATERIALS (comment/ list in the box below)

- WLA (Whole Life Assessment):
- LCA (Life Cycle Assessment):
- reclaimed/recycled/recyclable/local/sustainable materials

50 words max

WATER (comment/ list in the box below)

- Rainwater collection type + size:
- Tank connected to:
- Low flush & low-flow fixtures & fittings:
- Greywater re-use:
- Water sensitive urban design / Stormwater retention details

50 words max

WASTE

- construction waste minimised and recycled: [company or approach]

50 words max

HEALTH & WELLBEING (comment/ list in the box below)

- Mechanical Ventilation for improved indoor air quality (make/model):
- Air quality/asthma considerations: (i.e. no carpet)
- Non-toxic, low VOC materials:
- Biophilic Design:

50 words max

SOCIAL CONTRIBUTION (comment/ list in the box below)

- Universal design and equitable access, community benefits, etc.

50 words max

LANDSCAPE (comment/ list in the box below)

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

50 words max

POST OCCUPANCY EVALUATION (POE) (comment/ list in the box below)

- Post Occupancy Evaluation completed:
- Summer/Winter energy usage

[50 words max]

OTHER NOTES (comment/ list in the box below)