



### Example Statement of Environmental Effects, Heritage Impacts and system specifications for a proposed solar power and solar hot water system only

Example text is provided below for a Statement of Environmental Effects, Heritage Impacts and system specifications for a proposed solar power (panels only) and solar hot water system (panels and tank). This should be used as a guide only and while it is intended to assist applicants, it does not guarantee Council approval.

#### Statement of Environmental Effects and Heritage Impacts

- for a [select solar power/solar hot water system]
- for [insert property name and address]
- which is a [insert property type e.g. residential house, residential apartment building, commercial building, mixed development]
- which is located in an area zoned [insert zoning which is noted in Council’s Local Environmental Plan (LEP)]
- which [select is/is NOT] a [select heritage item/item within [insert name] heritage conservation area.

#### Solar power system System size and location

- The panels will be located on the buildings’ [select front/side/back] roof.
- The roof is [select flat or skillion].
- The solar system comprises of [x] number of panels of dimension [x] metres by [x] metres. The total area to be covered by panels is [x] m2.
- The panels will be on a [select mounting or framing] system and will be positioned [select flush with the roof or elevated from the roof at an angle of [x] degrees and a height of [x] metres].
- The panels will be located on the roof [insert description of location of panels based on [x] metres from northern/southern/western/eastern roof edges].
- The panels [select will/will NOT] be visible from the street.

#### Solar hot water system System size and location

- The panels will be located on the building’s [select front/side/back] roof.
- The roof is [select flat or skillion].
- The solar system comprises x number of panels of dimension [x] metres by [x] metres. The total area to be covered by panels is [x] m2.
- The panels will be on a [select mounting or framing] system and will be positioned [select flush with the roof or elevated from the roof at an angle of [x] degrees and a height of [x] metres].
- The panels will be located on the roof [insert description of location of panels based on [x] metres from northern/southern/western/eastern roof edges].

- The panels [select will/will NOT] be visible from the street.
- The tank will be [select]:
  - a) roof mounted on the [select front/side/back] roof of the building
  - b) ground mounted on the [select front/side/back] wall of the building
  - c) located inside the building
- The tank will be [x] litres in capacity and the dimensions of the tank will be [x] metres high by [x] metres diameter.
- The tank [select will/will NOT] be visible from the street.

### Glare or reflection

- The solar panels are made from [insert material] and framed by [insert material] and will be [insert colour] in colour. The tank will be made from [insert material] and will be [insert colour] in colour.
- The solar panels/tank [select will/will NOT] create excessive glare or reflection onto any adjacent building. Outline how the panels will absorb light if they are dark in colour, and the location of windows of adjacent properties and if they will be impacted. If it does impact outline how these impacts will be managed e.g. vegetation will be planted to screen reflection.

### Views and overshadowing

- The solar panels/tank [select will/will NOT] impact on the views of neighbouring properties and [select will/will NOT] cause overshadowing on any neighbouring property as they will be [insert explanation e.g. flush with the roof/not visible from the street/roof height higher than neighbouring buildings etc].
- The solar panels/tank [select will/will NOT] impact on the views of neighbouring properties as they are [insert explanation e.g. elevated from the roof/visible from the street/block water views etc]. Outline how these impacts will be managed e.g. existing solar systems visible in the street, vegetation screens view of the property, water views not impacted from main living areas].
- The solar panels/tank [select will/will NOT] cause overshadowing on a neighbouring property as they are [insert explanation e.g. located [x] metres from the property boundary]. Outline how this may impact neighbouring

property and how these impacts will be managed i.e. consider what the area subject to overshadowing is being used for.

- Trees [select do/do NOT] require removal to ensure sunlight reaches the solar system. If trees require removal, outline how this may impact on neighbouring properties and how it will be managed e.g. replacement planting with [name plant species] expected to grow to x metres high.

### Greenhouse gas emissions

- The solar panels are expected to generate [x] kW of electricity per year which saves [x] tonnes of greenhouse gas emissions, helping to reduce: the environmental impacts of climate change; electricity distribution and transmission losses associated with centralised electricity generation; depletion of non-renewable resources; and, environmental impacts associated with coal generated electricity.

### Heritage impact

- The solar panels/tank [select will/will NOT] be visible from the street. If visible from the street, detail how it will impact the streetscape appearance e.g. visible from main street frontage or side frontage, prominence of system, existing detailing on building frontage, size of system, roof form and material, fixings onto roof, etc.

### Other information

- Council may require further information to enable the application to be assessed.

### Prepared by

Name [insert name]

Signature [insert signature]

Address [insert address]

Phone number [insert phone number]

Date [insert date]