

YOUR PREPAREDNESS CHECK

A 5-step process for building resilience to extreme weather events

Case Study

climatewisecommunities.com.au

About the project

Climate Wise Communities is an initiative developed by Ku-ring-gai Council in consultation with emergency management agencies and government to assist the public in preparing for extreme weather events. Gravity PDF is used to generate vital reports for their Ready Check Tool, which users can use to improve their emergency readiness.

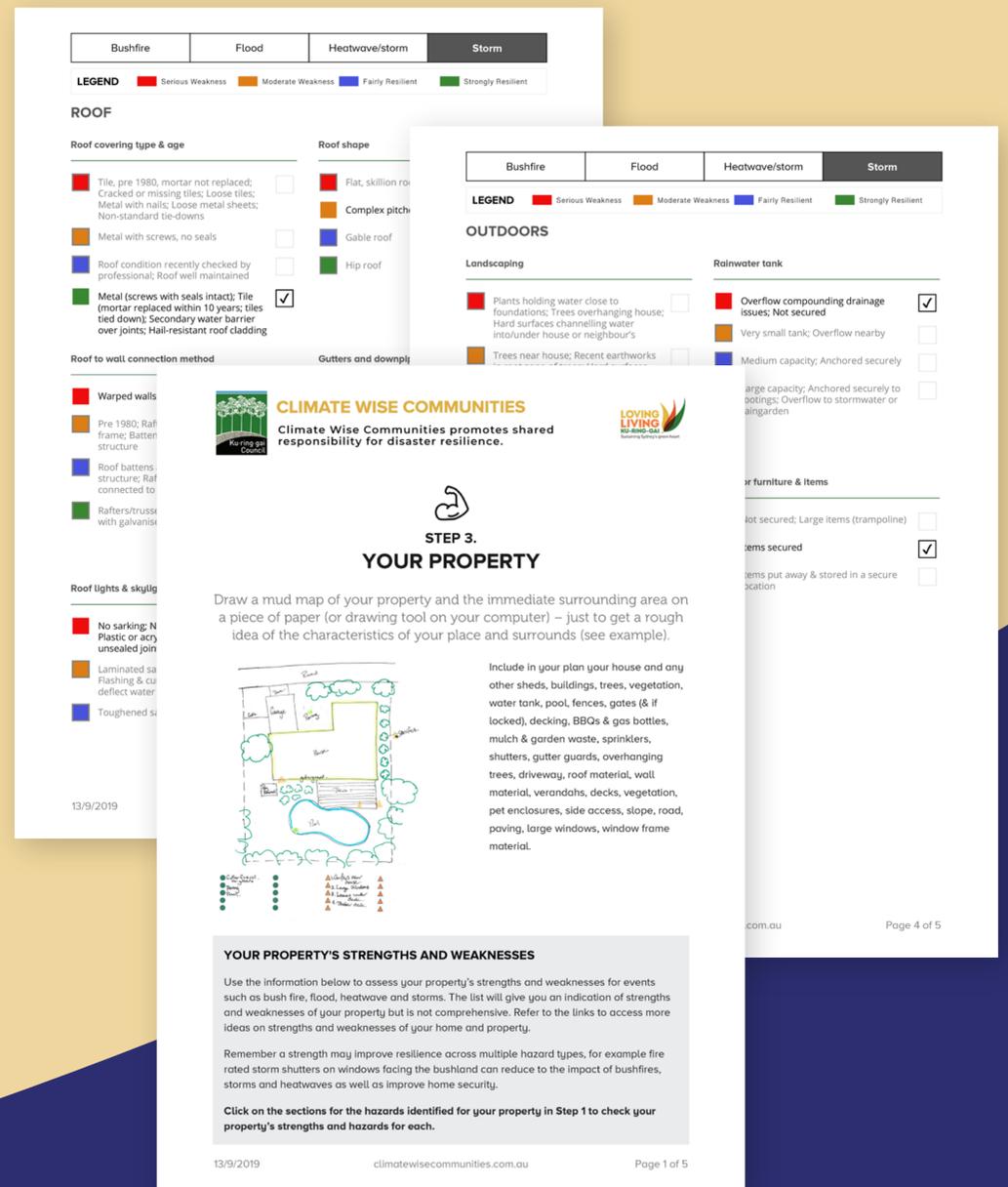
Main Technology Stack:

- Gravity Forms
- Gravity PDF

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“This project involved printing the answers to multiple pages with complex conditional logic and form inputs, which then needed to be reflected in a PDF. The team at Gravity PDF were a great help throughout the entire project and my client and I were greatly appreciative. We've since used Gravity PDF for two similar jobs and couldn't be happier!”

Nicholas Morris



The image shows a multi-page form and a generated PDF report. The form includes sections for 'ROOF' (covering type, shape, connection method, lights) and 'OUTDOORS' (landscaping, rainwater tank, furniture & items). The PDF report, titled 'STEP 3. YOUR PROPERTY', includes a hand-drawn property map and a section for 'YOUR PROPERTY'S STRENGTHS AND WEAKNESSES'.

LEGEND Serious Weakness Moderate Weakness Fairly Resilient Strongly Resilient

ROOF

Roof covering type & age

- Tile, pre 1980, mortar not replaced; Cracked or missing tiles; Loose tiles; Metal with nails; Loose metal sheets; Non-standard tie-downs
- Metal with screws, no seals
- Roof condition recently checked by professional; Roof well maintained
- Metal (screws with seals intact); Tile (mortar replaced within 10 years; tiles tied down); Secondary water barrier over joints; Hall-resistant roof cladding

Roof shape

- Flat, skillion roof
- Complex pitch
- Gable roof
- Hip roof

Roof to wall connection method

- Warped walls
- Pre 1980; Rafter frame; Batten structure
- Roof battens; structure; Rafter connected to
- Rafters/trusses with galvanised

Roof lights & skylight

- No sarking; No plastic or acrylic unsealed joint
- Laminated sarking; Flashing & caulking deflect water
- Toughened sarking

OUTDOORS

Landscaping

- Plants holding water close to foundations; Trees overhanging house; Hard surfaces channelling water into/under house or neighbour's
- Trees near house; Recent earthworks

Rainwater tank

- Overflow compounding drainage issues; Not secured
- Very small tank; Overflow nearby
- Medium capacity; Anchored securely
- Large capacity; Anchored securely to footings; Overflow to stormwater or neighbouring garden

furniture & items

- Not secured; Large items (trampoline)
- Items secured
- Items put away & stored in a secure location

STEP 3. YOUR PROPERTY

Draw a mud map of your property and the immediate surrounding area on a piece of paper (or drawing tool on your computer) – just to get a rough idea of the characteristics of your place and surrounds (see example).

Include in your plan your house and any other sheds, buildings, trees, vegetation, water tank, pool, fences, gates (& if locked), decking, BBQs & gas bottles, mulch & garden waste, sprinklers, shutters, gutter guards, overhanging trees, driveway, roof material, wall material, verandahs, decks, vegetation, pet enclosures, side access, slope, road, paving, large windows, window frame material.

YOUR PROPERTY'S STRENGTHS AND WEAKNESSES

Use the information below to assess your property's strengths and weaknesses for events such as bush fire, flood, heatwave and storms. The list will give you an indication of strengths and weaknesses of your property but is not comprehensive. Refer to the links to access more ideas on strengths and weaknesses of your home and property.

Remember a strength may improve resilience across multiple hazard types, for example fire rated storm shutters on windows facing the bushland can reduce to the impact of bushfires, storms and heatwaves as well as improve home security.

Click on the sections for the hazards identified for your property in Step 1 to check your property's strengths and hazards for each.