

Solarpunk Buildings

Variety

As with all things there are exceptions to every generalization to follow.

Solarpunk buildings should be built to fit their environment – what’s practical, energy efficient, and even what materials are available will depend on where the scene is set. A solarpunk community set in the desert would have to look much different than one in a temperate rainforest, or a prairie.

This is a departure from our current society, with its wealth of fuel and concrete, which tends to drop the same cookie-cutter buildings into every climate and just burn more fuel to heat or cool them rather than adapt the design to its surroundings.

Reuse

That said, solarpunk doesn't generally take a clean slate approach to worldbuilding, and reuse of structures that already exist is almost always going to be more efficient than new construction.

New materials

Geopolymers

<https://www.motherjones.com/politics/2025/06/dark-roof-lobby-white-reflective-roofs-laws-lobbying-urban-heat-islands/>

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