

LIGHT HOUSE ARCHITECTURE AND SCIENCE 'EX-GOVIE' NET-ZERO MAKEOVER



CANBERRA
LOW CARBON HOUSING
CHALLENGE

≥ 136%
improved

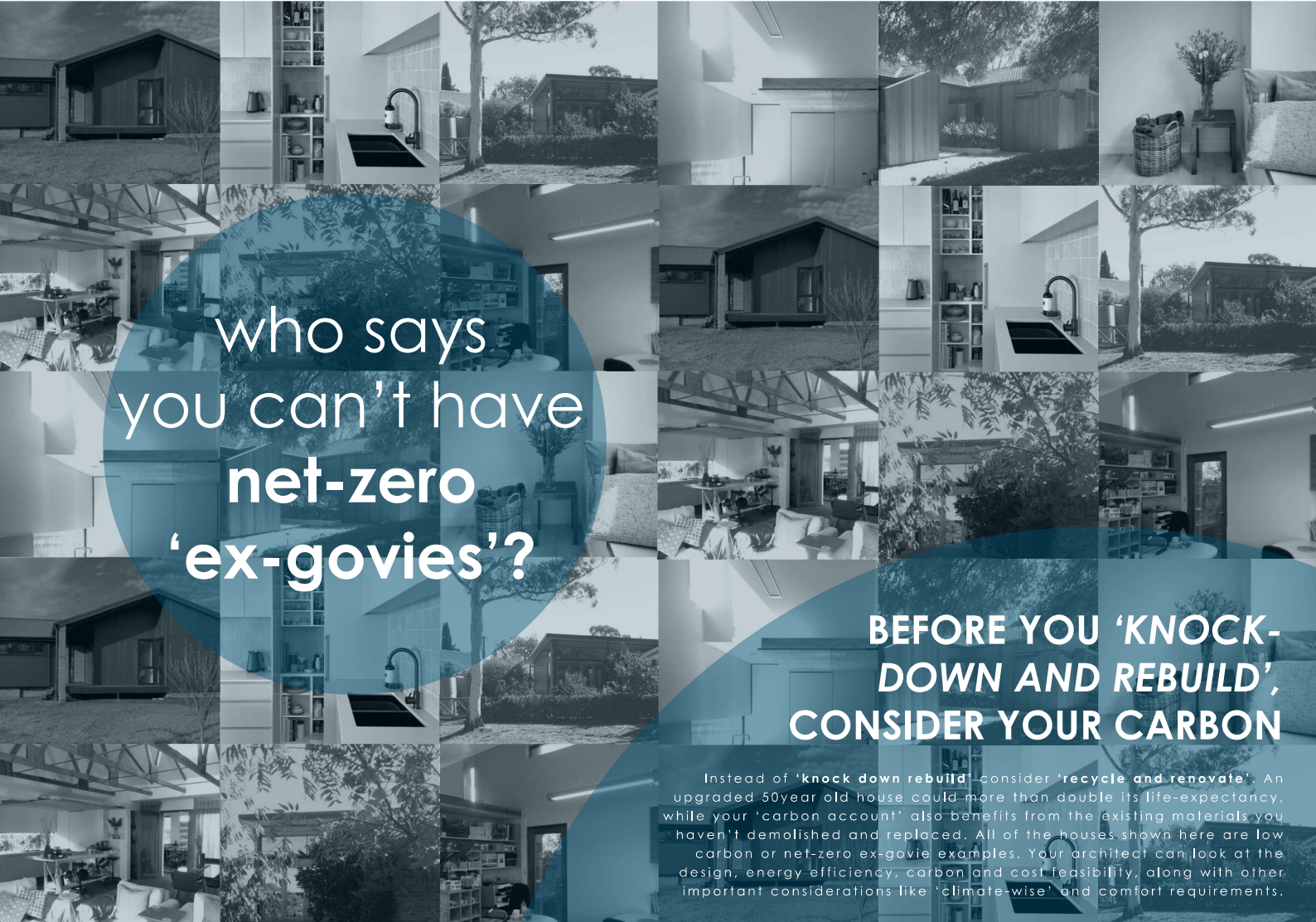
OUTSTANDING

GLOBAL WARMING POTENTIAL

This classy looking home used to be one of Canberra's original ex-govies. The dysfunctional 1960s floor plan and 1970s extension were rejigged, and then we extended by just 21m2, to create a beautiful and functional 4 bed, 2 bath, 2 living home of just 145m2.

Using solar passive principles and NatHERS thermal performance modelling the EER has been raised from 1 star to 7.8 stars! This super comfortable, energy efficient family home is now all-electric with a PV system and electric car. It treads very lightly on our climate-changed planet. This is what is possible with many daggy, uncomfortable and dysfunctional homes across the country.

- 1/65SQM HOUSE/CAR
- 7.8STAR ENERGY EFFICIENCY
- 10.4KW ROOFTOP SOLAR
- RECYCLED MATERIAL
- LOW WATER
- LOW ENERGY APPLIANCES
- LOW EMBODIED MATERIALS
- AIR/TIGHTNESS INSULATION
- FLEXIBLE DESIGN
- SOLAR PASSIVE DESIGN
- LANDSCAPING AND SHADE



who says
you can't have
net-zero
'ex-govies'?

BEFORE YOU 'KNOCK-DOWN AND REBUILD',
CONSIDER YOUR CARBON

Instead of 'knock down rebuild' consider 'recycle and renovate'. An upgraded 50year old house could more than double its life-expectancy, while your 'carbon account' also benefits from the existing materials you haven't demolished and replaced. All of the houses shown here are low carbon or net-zero ex-govie examples. Your architect can look at the design, energy efficiency, carbon and cost feasibility, along with other important considerations like 'climate-wise' and comfort requirements.