

Where do our highest emissions come from?



Trees felled for construction

Sequestered CO₂ in trees is lost within a few years.

Forgone future CO₂ sequestration.



Concrete & Cement

Liberated fossil CO₂ from the cement manufacture process.

Cement and concrete amount to 8% of global emissions. (International air travel is 2%)



Steel Galvanising Aluminium

Embodied energy CO₂ in steel, galvanising and aluminium production.

CO₂ released from coking coal for steel production



Kiln dried timber

Substantial embodied CO₂ and energy in using a kiln to dry the timber.

Emissions from fossil fuel energy (largely coal fired in Australia).

Short overall lifespan, requires 2x replacements in a 50yr project.



Intensively managed lawns

Nitrous Oxide emissions from fertiliser. NO₂ has 310x more warming potential than the same amount of CO₂

Carbon lost from removed clippings

Petrol powered maintenance equipment emissions - see next item



2 Stroke powered maintenance equipment

2-stroke engines are incredibly polluting

1 hour of fossil fuel powered leaf blowing emits the same pollution as driving a Toyota Camry for approximately 1700km [Sydney to Makay Queensland]

https://www.arb.ca.gov/msprog/offroad/sm_en_fs.pdf