

Calculation of carbon offsets

In Australia, the default system to quantify Carbon Dioxide Equivalent units (CO₂e) emitted in the production of any product or its usage is that of the Australian government's internationally-recognised Factors and Methods Workbook and Climate Care website produced by the Department of Climate Change (DCC). All Australian states and territories and all bodies private or public that are obliged to report or offset their emissions under federal or state law are required to use the DCC's formulae and data.

Canopy's calculations in estimating the likely carbon return from any trees are based on the Australian Standard AS 4978; site measurement for ground truthing through on-ground measurement of samples from remnant vegetation referenced against the Australian National Carbon Accounting System, FullCAM 3; the Australian National University's web-based calculator and other reputable scientific sources including the work of PIRSA, CALM (WA) and CSIRO.

Every three years an independent auditor accredited by CSIRO will audit the forest. After this period inspections occur annually. At five, ten and fifteen years the trees are measured to confirm their carbon uptake and annual reports are made to the relevant emitters.