

Almost \$1 million a day is the carbon cost of native forest logging to supply the Eden chipmill. At \$20 a tonne of CO2, as recommended by Professor Ross Garnaut, the cost of Eden woodchipping is \$362,293,600 per year.



Native forest logging generates almost 10 percent of Australia's greenhouse gas emissions and yet is being treated in the Green Paper on the Carbon Pollution Reduction Scheme as if it were carbon neutral.

New research enables us to calculate that over 18 m tonnes of CO2 is generated every year by logging for woodchips in SE NSW and East Gippsland. This is equivalent to:

- More than every car in Sydney or Melbourne off the road for a year from just the NSW logging.
- approximately 20 times the greenhouse emissions saved by the whole of Australia per year from the ban on the incandescent light globe (source: then Environment Minister, Malcolm Turnbull, 20 Feb 2007 which says the ban will save 800,000 tonnes per year from 2008 to 2012).

- 257 times the greenhouse emissions saved by the Bega Valley Shire Council moving to renewable electricity or giving up electricity altogether (source: Clean Energy For Eternity plan: 7,211 tonnes CO2 per year generated by BVSC).

think climate. think forest

Calculating the cost of carbon pollution generated by logging for South East Fibre Exports

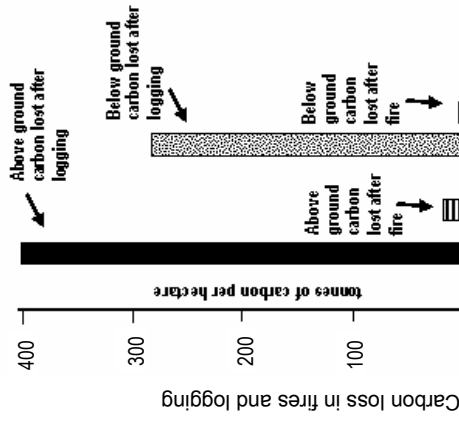
Calculating the CO2

According to Mackey et al *Green Carbon*, the average carbon capacity for SE Australia eucalypt forests is 640 tonnes per hectare. In those forests in our region where the actual carbon stored is currently less than the carrying capacity, this is entirely due to the previous operations of the Eden chipmill over the past 40 years, so Mackey's figure of 640 is used.

In 2006-07 FNSW logged 14,388 hectares in the Eden, South Coast/Southern and Tumut areas (FOI information).

The calculation is based on:

Area logged x Carbon stock per ha x 40% (loss from logging) x 3.666 (converting C to CO2)
 Thus, for NSW:
 $14,388 \times 640 \times .4 \times 3.666 = 13,503,080$ tonnes of CO2
 For East Gippsland:
 $4,500 \times 700 \times .4 \times 3.666 = 4,611,600$ tonnes



Pricing

- Nicholas Stern calculated a price for carbon cost of approx \$A107 per tonne.
- Australia has not yet set a price for carbon but Professor Ross Garnaut has recommended a price of \$20 per tonne of CO2.
- The European price is currently about \$40.

The table below shows that the annual carbon bill for the emissions caused by logging for the Eden woodchip mill would range from \$A362 million at a carbon price of \$20 up to \$1.9 billion at the cost of carbon emissions estimated by Sir Nicholas Stern.

	Hectares logged	Tonnes CO2	Stern \$107	Europe \$40	Garnaut \$20
Vic	4,500	4,611.6m	493.44m	184.46m	92.23m
NSW	14,388	13,503.1m	1,444.83m	540.12m	270.06m
Total	18,888	1,938.27m	1,938.27m	724.59m	362.29m