

Proposed wood fired power station at the Eden Chipmill

- Seventy percent (70.6%) of the feedstock to come from native forest.
- The rest would come from plantation pine, with the possibility in the future that municipal waste may be added.
- The furnace would generate 20MW, of which 25% would become electricity. Thus 5MW would be generated (i.e.; 75% wastage).
- The chipmill would initially use 6,500 MWh per year, but would generate 31,000 MWh, with a surplus of 25,000 to be fed into the grid.
- Total investment of \$18-22 million, originally scheduled to be completed in 2010.
- The Rudd Government's expanded Mandatory Renewable Energy Target categorises processing and logging "waste" from native forest logging as renewable.
- Country Energy has already rejected electricity generated from native forest wood for inclusion in its Green Power schemes.
- Extract from the Green Power website ("a joint initiative of ACT, NSW, SA, QLD, VIC and WA government agencies")

<http://www.greenpower.gov.au/home.aspx>

".only sustainable plantation forestry sources are acceptable under the Green Power Program - GreenPower is not sourced from old growth forests or regrowth native forests.

Toxic emissions from wood fired electricity generation & human health

A report to the government of British Columbia (Canada) in 2008: "Emissions from Wood-Fired Combustion Equipment" found that basic emissions from wood fired power generation could be expected to include:

Acetaldehyde Alpha-pinene Beta-pinene Carbon monoxide (CO)
Formaldehyde Methanol Naphthalene Toluene Total phenols
Turpentine 2,3,7,8 Tetrachlorodibenzo-p-dioxin (TCDD) C/P 2,3,7,8-
Tetrachlorodibenzo-p-furan C/ Hydrogen sulphide C/S Nitrogen oxides
(NOx) Beryllium Cadmium and compounds Chromium (II)
compounds, as Cr Chromium (III) compounds, Cr Chromium (metal)
Chromium (total) Chromium, hexavalent metal and compounds
Cobalt as Co metal Dust and fume Cobalt carbonyl as Co Copper,
Dusts and mists, as Cu₃ Copper, Fume Iron Lead arsenate, as Pb₃
(As₂O₄) Lead chromate, as Cr Lead compounds Magnesium
Manganese Molybdenum Nickel and compounds Particulate
matter (PM) Phosphorus Selenium Silver Thallium Zinc Arsenic

and inorganic arsenic compounds Mercury Hydrochloric acid
Sulphuric acid Sulphur dioxide (SO₂)
SEFE admits there will be both gaseous and particulate emissions. These
can be highly toxic.
http://www.env.gov.bc.ca/epd/industrial/pulp_paper_lumber/pdf/emissions_report_08.pdf