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Biomass

Delta Electricity is reducing greenhouse emissions at Vales Point by up to 20,000 tonnes each year by co-yring quantities of renewable biomass fuels with coal.

Currently, the biomass fuel includes saw mill residues, a by-product of forestry operations, and construction and demolition waste such as timber pallets.

The environmental beneyts of co-yring wood waste include the prevention of the material breaking down to produce methane, another greenhouse gas, in landyill sites. It provides a market for low value wood waste and the cash zow to recycling businesses encourages the sorting and recovering of wood and timber waste for reuse.

Delta has collaborated with a local research partner, The Crucible Group, to investigate an alternative biomass pre-treatment process. The process creates char from biomass, with higher energy density and fewer material handling issues. When proven, The Crucible Group technology will allow Delta to co-yring an increased amount of biomass, as well as reduce wood waste going to landfill.

Over the last two years Delta's innovative biomass co-yring program has delivered an increase in the use of biomass, with a reduction in carbon intensity at Vales Point at minimal cost.

NSW Government's 2014 Green Globe Awards

The biomass co-yring program has received industry recognition. The program was highly commended at the NSW Government's 2014 Green Globe Awards and was one of 10 projects recognised at the inaugural Energy Productivity in Action event organised by the NSW Office of Environment and Heritage to acknowledge NSW businesses making significant energy productivity achievements. Watch [this video](#) to learn more.





