

GREEN INFRASTRUCTURE FOR SYDNEY



RENEWABLE ENERGY

The City of Sydney has set targets of reducing carbon emissions by 70 per cent and producing 30 per cent of its electricity needs from renewable sources by 2030.

At present, some 80 per cent of the City's carbon emissions come from electricity produced by large coal-fired power stations in the Hunter Valley and elsewhere.

Early next year, the City expects to release a renewable energy master plan which will detail the renewable energy resources available inside and outside the Local Government Area. It will include solar electric (photovoltaic) panels, solar hot water, onshore and offshore wind, geothermal and renewable gases that can be recovered from waste, agriculture by-products and sewage.

The City is exploring methods to use biogases from waste to fuel the City's proposed network of trigeneration energy systems, which will supply low-carbon electricity, heating and cooling to buildings in the city centre.

Early next year, the City will select a company to undertake a \$12 million solar project to install photovoltaic (PV) panels project on at least 30 Council properties over the next five years. It will be one of Australia's largest non-residential solar projects. The Council properties include; Town Hall House, Redfern Oval grandstand, Railway Square Bus Interchange, Sydney Park Pavilion, Victoria Park Pool, Andrew (Boy) Charlton Pool, Cook and Phillip Aquatic Centre, the Ian Thorpe Aquatic Centre and Prince Alfred Park Pool, as well as town halls in Paddington, Redfern and Glebe.

The City has already spent \$1 million installing solar hot water and/or photovoltaic systems at 18 sites including Sydney Town Hall, libraries, community centres, childcare centres and depots in Redfern, Ultimo, Erskineville and Kings Cross.

The largest system, with 240 solar panels, is on the roof of Sydney Town Hall. Together, these projects have reduced carbon emissions by 180 tonnes a year. It supplies electricity to charge the City's two Mitsubishi iMiEV electric vehicles.

For more information visit
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CITY OF SYDNEY

