

Energy



Sustainable

“Energy costs are rising in financial and environmental terms. The Council can do three things to foster sustainability in this area. Firstly, it can reduce its own energy consumption. Secondly, encourage others to cut back on their consumption, and thirdly, promote the wider benefits of reduced energy use.”

Chris Kaufmann, Senior Project Manager,
Environmental Projects, City of Salisbury

The City of Salisbury is a leader in developing strategies to conserve energy and to identify renewable energy sources.

In the late 1990s, the City of Salisbury joined forces with four other councils – Playford, Charles Sturt, Port Adelaide-Enfield and Tea Tree Gully – to pioneer a regional approach to reducing greenhouse gas emissions under the Cities for Climate Protection Program.

The councils committed to share resources and expertise to reduce greenhouse gas emissions – mainly carbon dioxide – emanating from the northern region of Adelaide.

An inventory was developed to identify key sources of greenhouse gas emissions in the five council areas, with strategies to work with industrial and commercial enterprises and residents in the region, to reduce pollution and implement innovative approaches to energy conservation.



The inventory highlighted the benefits of energy efficient technology, solar lights, irrigation controls and recycling.

A major energy reduction target for the City of Salisbury is in street lighting, which is responsible for more than half of the Council's energy costs. There has been considerable work to trial lower energy streetlights to ensure they provide suitable levels of illumination while reducing energy consumption by about 30 per cent. The objective is to implement a street lighting conversion program across the City.

In terms of renewable energy, the City of Salisbury continues to work on a range of opportunities, particularly with solar power, and the provision of photovoltaic panels at particular demonstration sites.

The opportunity to solar heat the City's public swimming pool is also being examined.

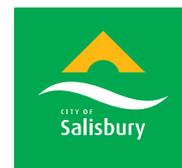
The City of Salisbury encourages the use of public transport with the development of two bus/rail interchanges to reduce reliance on motor vehicles. It is also working to secure the development of a major road/rail facility for freight as a further means of reducing energy costs and greenhouse gas emissions.

The City of Salisbury is a member council of the Northern Adelaide Waste Management Authority, or NAWMA, which has established a new landfill at Uleybury to accommodate baled waste that contains only materials not suitable for recycling. The Uleybury landfill features an engineered clay and synthetic composite liner system and the most advanced monitoring and control measures to protect the surrounding environment.

In the longer term, the extraction of methane gas from the site will abate almost 40,000 tonnes of greenhouse gas emissions. This is equivalent

annually to taking 9,000 cars off the road, or planting nearly 4,000 hectares of trees.

Landfill gas extracted from the Uleybury site can be converted to energy to power over 1,000 homes.



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