

# ECO BUSINESS

Free Energy Assessment & Mentoring Program

Eco Business Program

PO BOX 21

JOONDALUP WA 6919

1300 ECO NOW (1300 326 669)

[www.ecobusiness.net.au](http://www.ecobusiness.net.au)

## What is Your City Doing? City of Joondalup

*Local Government has an important role to play in the fight against climate change. The impact that local government can have is two-fold:*

- 1) By reducing the amount of greenhouse gases it produces through its operations and activities; and*
- 2) Educating and supporting residents and businesses in the community to reduce their contribution to climate change.*

*The City of Joondalup recognises the importance of combating climate change and has taken many significant steps over the past nine years to not only reduce its contribution but to become a leader to its community.*



### Cities for Climate Protection Program (CCP)

The Cities for Climate Protection Australia program is an innovative international campaign that helps local governments and their communities reduce greenhouse gas emissions and their impact on the environment.

The City of Joondalup has been a participant in the CCP program since 1999. The program is comprised of five milestone phases followed by CCP Plus. The City has completed all five milestones and is now utilising CCP Plus to broaden, strengthen and accelerate its greenhouse gas reduction program.

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## CCP Milestone Process

Milestone One	Inventory of corporate and community greenhouse gas emissions ( <i>Achieved Oct 2000</i> )
Milestone Two	Setting of reduction goals ( <i>Achieved 2002</i> )
Milestone Three	Development of Greenhouse Action Plan ( <i>Achieved Dec 2003</i> )
Milestone Four	Implementation of Greenhouse Action Plan ( <i>Achieved April 2005</i> )
Milestone Five	Re-inventory and review ( <i>Achieved May 2006</i> )
CCP Plus	Development and implementation of new Greenhouse Action Plan



## The City's Greenhouse Gas Emissions

The City's baseline inventory in 2000 found that the City's corporate emissions were 22,791 tonnes of CO<sub>2</sub>-e and the community's emissions were 1,162,484 tonnes of CO<sub>2</sub>-e.

In 2002 the City set a 20% corporate greenhouse gas emissions reduction target on 2000 levels by 2010 and a 20% community greenhouse gas emissions reduction target on 1996 levels.

The City's most recent re-inventory (2007) found that its corporate emissions had already been reduced to 17,084 tonnes of CO<sub>2</sub>-e already surpassing its 2010 target of 18,233 tonnes of CO<sub>2</sub>-e.

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## Greenhouse Action Plan

The City's Greenhouse Action Plan 2007 – 2010 outlines actions the City will take to reduce its emissions from both the corporate and community sectors. Within the corporate sector it addresses emissions from buildings, street lighting, water, vehicle fleet, and waste. This Plan builds on the City's initial Greenhouse Action Plan 2003 - 2007.



The Plan provides valuable strategic direction for the City to take action across all emission areas enabling it to achieve and surpass its reduction targets.

## Abatement Measures

Every year the City measures the reduction achieved through different actions and reports the reductions to CCP. Key reductions achieved in the last financial year 2007/08 are outlined below.

- A five-fold increase in the diversion of paper products from landfill over 2006/07 levels, to 12,221 tonnes, due to the City's distribution of recycling bins to residents. This innovation alone has reduced the community's greenhouse impact by 24,600 tonnes of CO<sub>2</sub>-e.
- Purchase of renewable energy to power 75% of the City's Administration Building, Craigie Leisure Centre and Percy Doyle Reserve has resulted in an annual saving of 3,394 tonnes of CO<sub>2</sub>-e.

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- Heating of Craigie Leisure Centre's pool and buildings by geothermal energy continues to reduce greenhouse gas emissions by 933 tonnes of CO<sub>2</sub>-e a year.
- Even small changes can add up to big emissions savings changing 22 shower heads to low flow units at Craigie Leisure Centre saves 16 tonnes of CO<sub>2</sub>-e annually due to the energy saved for each of the 168,000 showers taken annually.
- Efficiency innovations in the City's computer network which reduced the number of servers used not only saves money through reduced power consumption but reduces the greenhouse emissions by 88 tonnes of CO<sub>2</sub>-e per year.



## Working with the Community

The City not only works to reduce emissions from its own operations but also seeks to educate and motivate the community to reduce its greenhouse gas emissions. It does this by running environmental education programs to provide the community with necessary knowledge, tools and motivation to make changes in their homes and workplaces. This not only aims to reduce greenhouse gas emissions but also helps households and businesses to save money and adapt to future increases in energy costs (electricity, gas and petrol). Some key programs include:

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- **TravelSmart:** a program that was delivered to certain suburbs with the City of Joondalup (in partnership with the Department of Planning and Infrastructure) to assist them in using alternative modes of transport and reduces their dependence on car travel. See [www.dpi.wa.gov.au/travelsmart](http://www.dpi.wa.gov.au/travelsmart) for more info.
- **Living Smart:** a program currently being delivered to help households to reduce the amount of energy and water they consume in the home; the amount they produce and the amount they travel by car. Also delivered in partnership with the Department of Planning and Infrastructure see [www.dpi.wa.gov.au/livingsmart](http://www.dpi.wa.gov.au/livingsmart) for more info.
- **Eco Business:** a program that specifically targets small businesses and is run in partnership with the City of Wanneroo. It aims to help business to reduce its energy and water consumption, helping them to save money and increase their marketing potential. See [www.ecobusiness.net.au](http://www.ecobusiness.net.au) for more detail.



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