

ECO BUSINESS

Free Energy Assessment & Mentoring Program

What is Your City Doing? City of Wanneroo

Eco Business Program
PO BOX 21
JOONDALUP WA 6919
1300 ECO NOW (1300 326 669)
www.ecobusiness.net.au



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 Wanneroo 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 Wanneroo has been a participant in the CCP program since April 2003. 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 September 2003</i>) |
| Milestone Two | Setting of reduction goals (<i>Achieved November 2003</i>) |
| Milestone Three | Development of Greenhouse Action Plan (<i>Achieved May 2004</i>) |
| Milestone Four | Implementation of Greenhouse Action Plan (<i>Achieved May 2005</i>) |
| Milestone Five | Re-inventory and review (<i>Achieved May 2006</i>) |
| CCP Plus | CCP Plus is a program for advanced Councils to further their greenhouse gas reduction activities. |



The City's Greenhouse Gas Emissions

The City's baseline inventory in 2003 found that the City's corporate emissions were 14,256 tonnes of CO₂-e (2002 levels) and the community's emissions were 1,115,180 tonnes of CO₂-e (1996 levels).

In November 2003 the City set a 25% per capita corporate greenhouse gas emissions reduction target on 2002 levels by 2012 and a 20% per capita community greenhouse gas emissions reduction target on 1996 levels.

Since joining the Cities for Climate Protection Program the City has implemented a number of actions that have resulted in greenhouse gas savings. The City has abated a total of 1,584 tonnes of CO₂-e for the corporate sector and 91,273 tonnes of CO₂-e for the community sector.

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Energy Action Plan

The City developed a new Energy Action Plan in 2007, which sets out 44 actions to assist Council to further target greenhouse related issues and to reach its reduction goals for the corporate and community sectors.

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. To view the Energy Action Plan go to

http://www.wanneroo.wa.gov.au/3/381/1/environmental_plans_and_assessments.pm



Abatement Measures

The City has implemented a number of greenhouse saving actions since joining the program, including:

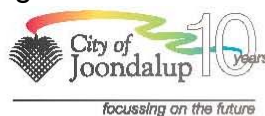
- Energy efficiency upgrades to Council's buildings, resulting in savings of over 231 tonnes of CO₂ in the first year
- Bore pump replacement program with annual greenhouse savings of 126 tonnes of CO₂ per year
- Electricity production of 5MW per year through methane extraction at Tamala Park landfill
- The purchase of a hybrid (petrol/electric) vehicle, LPG conversions of fleet vehicles and biofuel trial for Council's heavy fleet and numerous community education and awareness raising initiatives on energy efficiency and climate change issues.

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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:



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 for more detail.

- Community Seminars- the City has hosted a number of seminars and workshops aimed at raising the community's awareness of climate change and what can be done to minimise the impact. Topics include how to design a sustainable home, and how to retrofit your home to save energy and money
- Implementation of the TravelSmart program in the Clarkson and Marangaroo areas. On average the implementation of this program results in a 10 percent reduction in car trips and 26 percent increase in walking trips, 58 percent increase for bicycle use and 18 percent increase in the use of public transport.

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