

REVIEW OF CITY OF JOONDALUP GREENHOUSE ACTION PLAN 2007–2010

CORPORATE ACTIONS

Action No.	Action	Timeframe for Commencement	Responsible Business Unit	Progress	Comments
BUILDINGS					
1	Undertake energy audits on the top 5 emitting City buildings and develop a priority schedule for undertaking ongoing audits of all other City buildings.	July 2007	Infrastructure Management Services	Completed	In 2008/09 consultants GHD completed energy audits for Whitfords Library, Woodvale Library, Duncraig Library, Joondalup Library, Craigie Leisure Centre, and the Joondalup Administration Centre. Relevant works have been included in future budget. Including lighting control upgrades for the Craigie Leisure Centre, Joondalup Library and Joondalup Administration Building and Civic Chambers. These works are scheduled for 2011/12 to 2012/13.
2	Finalise the development of a sustainable purchasing policy.	July 2007	Strategic and Organisational Development	In progress	A Project team has been established under the Green Taskforce to develop a City Purchasing Policy that will incorporate environmental sustainability principles. Work to be completed during 2010-11.
3	Further investigate the viability of utilising green power supplied from renewable energy for other City facilities	July 2007	Strategic and Organisational Development	Completed	The City purchased Alternative Green Power for the Joondalup Administration Centre, Joondalup Library and Craigie Leisure Centre from 2005/06 to 2008/09. From 1 July 2010, the City will resume the purchase of 75% Alternative Green Power for the above buildings.
4	Investigate and activate where feasible energy saving devices on all suitable electrical equipment and computers.	July 2007	Infrastructure Management Services	Completed	Older monitors (CRT's) have been replaced with more energy efficient LCD monitors. All electrical appliances are purchased with 5 star ratings.
5	Ensure that future Capital Works Building Projects comply with Building Codes of Australia and State Energy codes in relation to energy efficiency requirements.	July 2007	Asset Management	Completed	All future capital works will comply with the 5 star plus Building Codes. Energy efficiency principles are addressed through the Draft Environmental Sustainable Design Building Policy which will be presented to the Policy Committee on 24 August 2010.

 In progress / Ongoing

 Completed

 Not started

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STREET LIGHTING					
6	Finalise a general lighting policy for streets, reserves, parks, and cycle ways under the City's control that addresses energy efficiency.	July 2007	Strategic and Organisational Development	In progress	The City's Draft Urban Design Lighting Guide will be updated in 2010-11. The Guide includes an extensive section on lighting standards which incorporates the latest technologies in lamp developments and efficiencies.
7	Investigate opportunities for introducing solar power lighting as pilot projects	July 2008	Strategic and Organisational Development	Completed	A Renewable Energy Feasibility Study was carried out and a report received from GHD in May 2009. Neil Hawkins Park was identified for the installation of solar lighting. The City has submitted applications for solar installations at three community buildings for Round 3 of the Regional and Local Community Infrastructure Program.
8	Continue to request Main Roads to supply energy efficient traffic lights when replacing or installing street lighting	July 2007	Infrastructure Management Services	Completed	The City continues to request Main Roads to install energy efficient traffic lights when appropriate.
9	Lobby WALGA to encourage Western Power to provide energy efficient lighting to all new street lighting installations.	July 2007	Strategic and Organisational Development	Completed	In May 2008, Western Power made a commitment with WALGA to review and trial energy efficient street lighting technologies. The Sustainable streetlights trial will help Western Power to determine the most suitable products that will meet the needs of the community.
WATER					
10	Continue to investigate energy efficient technology for the City's reticulation system.	July 2007	Operation Services	Completed	The ongoing pump maintenance program has included the replacement of turbine pumps with submersible pumps.
11	Continue the system of water pump maintenance to ensure energy efficiency.	July 2007	Operation Services	Completed	The City has developed a pump maintenance schedule which is used to identify pumps to be serviced in each financial year. The schedule is based on manufacturer recommendations and usage rates.
12	Review the outcome of the rainwater sensor investigations and implement viable energy and water reduction options.	July 2007	Operation Services	Completed	The City is currently undertaking a trial of rain water sensors at Santa Ana and Thornton Parks. A report on the progress of this trial will be compiled at the end of 2010/11 and presented to EMT.
VEHICLE FLEET					
13	Further investigate energy efficiencies of water pumps, including an investigation into alternative energies.	July 2007	Operation Services	Completed	This action has been investigated under Action 10- Pump Replacement Program.
14	Continue to utilise the AMA Green Motoring Guide.	July 2007	Asset Management	Completed	The City utilises the Green Vehicle Guide as part of its decision making process when purchasing new vehicles.

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15	Continue to introduce vehicles that emit less greenhouse gases when replacing stock.	July 2007	Asset Management	Completed	The City has introduced two LPG utes and downsized 10 vehicles from 6 cyl to 4 cyl.
16	Implement the City's Green Transport Plan to assist staff to substitute single-occupant car commuting trips with more sustainable alternatives including public transport, cycling and walking or car-pooling.	July 2007	Strategic and Organisational Development	Completed	The implementation of the Green Transport Plan is completed. Results of the implementation were reported to EMT in January 2010.
17	Continue to subscribe annually to the Carbon Neutral program to offset the total amount of fuel consumed by City vehicles through carbon sequestration	July 2007	Strategic and Organisational Development	Completed	The City has continued to offset emissions related to the City's fleet. Funds have been included in 2010-11 Budget to continue this initiative.
18	Investigate opportunities for the City's Fleet to use alternative fuels	July 2008	Asset Management	Completed	The City has purchased four hybrid vehicles since 2007 in place of petrol vehicles.
WASTE					
19	Continue to seek opportunities for implementing a more comprehensive recycling service to City buildings	July 2007	Infrastructure Management Services	Completed	The City currently recycles paper and printer cartridges. Further types of recycling for the City are being investigated by the City's Green Taskforce.
OTHER					
20	Improve the re-inventory process by investigating the use of different methodologies and different electricity account divisions across the City in certain sectors to determine greenhouse gas emissions to strive for more consistent recording in the future.	July 2007	Strategic and Organisational Development	Completed	The City receives detailed energy and greenhouse consumption data through the subscription with Planet Footprint. This data will be utilised for a greenhouse gas re-inventory in 2010-11.
21	Continue to support the implementation of the Greenhouse Action Plan by coordination of the Joondalup Energy Team (JET).	July 2007	Strategic and Organisational Development	Completed	The City's Green Taskforce is responsible for coordinating City energy reduction initiatives through the Greening City Operations Project Team.

COMMUNITY ACTIONS

Action No.	Action	Timeframe for Commencement	Responsible Business Unit	Progress	Comments
RESIDENTIAL					
22	Continue to investigate the construction of an environmentally friendly building project	July 2007	Strategic and Organisational Development	Completed	A Renewable Energy Feasibility Study was presented to Council (July 2009) which recommended an iconic PV project be implemented for the Joondalup Administration Building. A number of environmental upgrades have also been implemented at the Craigie Leisure Centre.
23	Continue to develop and promote energy efficiency initiatives for new and renovation building projects.	July 2007	Strategic and Organisational Development	Completed	Energy efficiency principles are addressed through the City's new Local Planning Strategy and Draft Environmental Sustainable Design Building Policy which will be presented to Policy Committee on 24 August 2010.
24	Continue to seek and secure funding to assist in community education actions that reduce greenhouse gas emissions	July 2007	Strategic and Organisational Development	Completed	The State Government invested funding of approx \$1million for the Living Smart Program which ran in the City of Joondalup in 2008-09. The City also secured funding through AusIndustry for the implementation of the EcoBusiness Program.
COMMERCIAL AND INDUSTRIAL					
25	Include Energy Efficiency Policies in the development of the new District Planning Scheme.	July 2007	Planning Approvals and Environmental Services	Completed	Energy efficient principles have been included in the City's Local Planning Strategy, Draft Dual Density Code Policy, and Draft Environmental Sustainable Design Building Policy. These principles will be further progressed, where possible through future revisions of the District Planning Scheme
26	Continue to promote energy reduction information to the wider community	July 2007	Strategic and Organisational Development	Completed	The City has implemented a number of community programs that have provided energy efficiency information to community. These have included Living Smart Program, Eco Business, Switch Your Thinking and Great Gardens Workshops.
27	Continue to implement educational activities and campaigns that promote greenhouse gas reduction measures	July 2007	Strategic and Organisational Development	Completed	The City's Living Smart Program, Eco Business, Travelsmart and Switch Your Thinking Programs promote greenhouse gas reduction measures to the community.
28	Continue to promote cleaner production and Energy Smart principles in businesses operating in the City.	July 2007	Strategic and Organisational Development	Completed	The City's Eco Business program energy assessments to 330 small businesses across the region, resulting in significant energy reductions and cost savings for businesses.

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TRANSPORTATION					
29	Consider the possibility of introducing the promotion of alternative transport within the review of the City's District Planning Scheme.	July 2007	Planning Approvals and Environmental Services	Completed	Sustainable transport principles and strategies have been included in the City's Local Planning Strategy. These principles will be further progressed, where possible, through future revisions of the City's District Planning Scheme
30	Continue to pursue opportunities to increase parking and public transport options through negotiations with the State Government	July 2007	Infrastructure Management Services	Completed	Public Transport Authority submitted plans for additional parking at Edgewater Station and Greenwood Station- construction commenced in 2008/09.
31	Undertake a review of the City of Joondalup Bike Plan	July 2007	Strategic and Organisational Development	Completed	The City's new Bike Plan was endorsed in June 2009. Implementation of the Plan has commenced.
32	Launch the TravelSmart to school program with Joondalup primary schools.	Jan 2008	Strategic and Organisational Development	Completed	Two Millennium Kids Road Shows were held and one Walking School Bus was initiated. Travelsmart initiatives relevant to schools have been promoted to local schools, including Walk to School Day.
33	Finalise the rollout of the Joondalup TravelSmart Household Program within Joondalup City and surrounding suburbs, and seek further funding to extend like community sustainability projects through the Department of Planning and Infrastructure	July 2007	Strategic and Organisational Development	Completed	TravelSmart Household intervention completed. Final report was received in August 2008 after the post evaluation survey.
WASTE					
34	Continue to implement the City's Waste Management Strategy.	July 2007	Infrastructure Management Services	Completed	The 2005 Waste Minimisation Strategy has now been reviewed. The City's Strategic Waste Minimisation Plan 2010-2014 was recently adopted by Council.
OTHER					
35	Continue to implement local community tree planting programmes to assist with offsetting carbon through sequestration.	July 2007	Operation Services	Completed	The City provides native plants to Friends Groups for planting activities. The City has also developed native plant guides which provide residents with information on the species to plant in their suburb. These guides are available on the City's website and from City Libraries.

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36	Investigate how community initiatives can be appropriately quantified in order to qualify for annual abatement recognition in the ICLEI CCP Program.	July 2007	Strategic and Organisational Development	Completed	<p>The City submitted community programs Living Smart and Eco Business for quantification of greenhouse gas abatement in 2008. In June 2009 the City was advised that the CCP Program was being discontinued and therefore has not been required to submit annual abatement measures.</p> <p>The City is continuing to monitor the reduction of greenhouse gases through the Planet Footprint Program and these figures will be included in the City's Annual Report.</p>