

Fourteenth Asia Pacific seminar on climate change

September 2004

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CEO

ICLEI-A/NZ

Co-operative approaches:

greenhouse action by local governments

ICLEI Summary: International and Regional

- A non-profit group focused on building capacity of local governments to achieve practical environmental improvements
- Headquarters is based in Toronto; offices in Melbourne, Tokyo and Seoul in the Asia Pacific region
- Greenhouse projects in Philippines, India, Indonesia and Thailand
- In ANZ, four offices (Melbourne, Adelaide, Perth and Wellington, NZ) totalling 32 staff

ICLEI in Australia and NZ

Summary: Campaigns and Projects

- Local Agenda 21: over 6000 councils internationally, 176 in Australia
- Cities for Climate ProtectionTM-Australia: over 570 councils internationally, 190 Councils in Australia in collaboration with the Australian Greenhouse Office
- Communities for Climate Protection TM-New Zealand: start-up phase (six Councils)
- Water CampaignTM-Australia: 55 Councils in Australia
- Sustainability Reporting Alliance: 10 Councils in Australia and New Zealand

Local Greenhouse Action in Australia

- 190 Councils in Australia with almost 60 at Milestone 5
- 7 years of Australian Federal government support
- 75% of the Australian population
- In Australia, 95 Councils involved in Cities for Climate Protection™ from July 99 - June 03 have:
 - Saved a cumulative total of 1.8 million tonnes of greenhouse gas emissions (equivalent)
 - Invested \$3.3 million in greenhouse jobs
 - Invested \$67 million in greenhouse abatement
- Through such projects as building retrofits, purchase of green -energy, methane gas extraction, changes to vehicle fleets, street lighting measures, energy efficiency in new sub-divisions and walking school buses.



CCP™-NZ

Milestone Framework

- Resolution adopted by council
- Commitment to progress through the five milestones
 1. Inventory
 2. Goal-setting
 3. Local Action Plan
 4. Implementation
 5. Review
- Continuing support through CCP Plus



Corporate focus - Activating Energy Star

Willoughby Council - 55 computers, saved \$8,000 and just under 100 tonnes per year

Adelaide City Council - 370 computers, 45 copiers, 30 printers, saved \$25,000 and 177 tonnes per year



Corporate focus-

Reducing Vehicle Emissions

- Toyota Prius Hybrid car-Generates its own electricity from braking
- On average, each vehicle achieves 4.39 CO2 tonnes of abatement/year, costs an additional \$5,138 over a standard vehicle with annual savings of \$2,303. The payback is 2.23 years
- The **City of Perth** has purchased 2 Prius vehicles for parking inspectors. Other councils include Banyule, Melbourne, Penrith, Woollahra, Hornsby, Mitcham, Maroochy, Boroondara, Carrathool, Rockdale, Tea Tree Gully, Parramatta, Baulkham Hills, Brisbane, Warrnambool and Willoughby.



Corporate focus - Public Lighting Efficiency

City of Port Phillip

Hi tech /energy efficiency foreshore and public lighting:

- Cost reduced by \$36 000/yr-3.5 yr payback
- 110 tonnes CO2
- Reduced maintenance costs



Corporate focus - Water Heating

Frankston City Council (Vic) Arts Centre

Renewable energy project through solar hot water heating:

- \$6200 year saved in 1.8 year payback
- 42 tonnes CO₂

North Sydney Pool Refurbishment

- Through solar hot water, timers, heat pumps, pool blankets
- Saving \$80 000/ year operating costs
- 500 tonnes CO₂/year

Corporate focus - Financing Projects

Financing Greenhouse Projects through 'Revolving Energy Funds':

- Numerous councils have established REFs **Cities of Newcastle (NSW), Manly (NSW), Moreland, (Vic) and Melville (WA)**
- Provides long term stable fund which will increase and facilitate councils capacity to fund larger, better energy saving and other projects
- **City of Newcastle-** reduced its annual bill from \$1 million in 1995 to \$597 000 by June 2001 and savings into REF

Corporate Action: Simple Actions

- Lighting retrofits
- LPG passenger fleet
- Dual fuel heavy vehicle fleet
- Lighting timing and sensors
- Water heating – reduced temperatures
- Air conditioning – temperature adjustments
- Water audits
- Staff awareness and training programs

Facilitating Community Action

Working with residents

Leichhardt Council

- Partnership between Council, SEDA and Sydney Water
- Council delivered pamphlet with rates notice
- Free water and energy audit offered to householders
- 518 homes audited, 305 energy smart kits purchased
- 378 tonnes of eCO₂ saved




Facilitating Community Action


Spreading the word

Burnside Council


Delivery Address:
PO Box 9
GLENSIDE SA 5065

No stamp required
if posted in Australia




City of Burnside
Reply Paid 9
GLENSIDE SA 5065


Feeling a little
HOT
under the collar?



The cost of energy isn't the only thing on the rise...

Save money, cool global warming

Our world is slowly becoming a hotter place due to increasing levels of human-induced greenhouse gas emissions. The City of Burnside is committed to reducing community greenhouse gas emissions. Our goal is to be generating 20% less emissions in 2010 than we were in 1998.



To achieve such an ambitious target, Council has developed a Community Greenhouse Gas Reduction Strategy, *Greenhouse Action in Burnside*.

If you would like a copy of the Strategy, or to learn how you can take personal action to make a world of difference, please take a few minutes to fill in the adjacent questionnaire. Postage is pre-paid, so you don't need to affix a stamp.

Questionnaire

	Please circle your response	
1. What level of concern do you think the City of Burnside should have regarding environmental issues?	None	Moderate Serious
2. To gain a better understanding of the big picture, would you like a hard copy of <i>Greenhouse Action in Burnside</i> posted to you?	Yes	No
3. Would you be interested in receiving our 'Energy Smart' pack so you can start making a world of difference right now?	Yes	No
4. Would you be interested in attending an entertaining energy/water workshop to learn more about how you can help save our planet...and your money!	Yes	No

Please post this back to us by 30 November 2002.

Please provide your name and postal details

Name _____

Postal address _____

Postcode _____

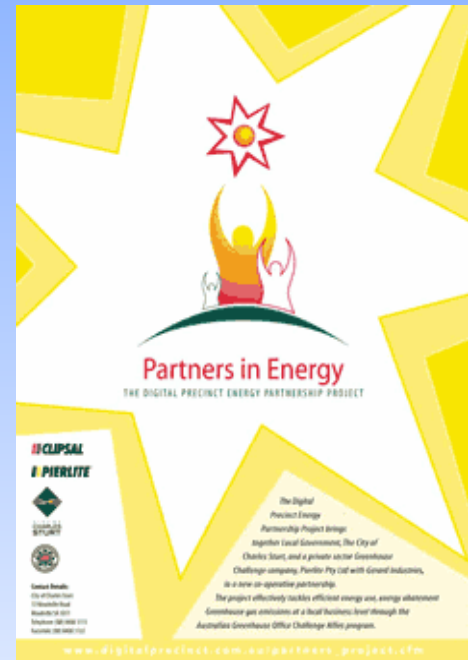
Reply Paid
Postage is pre-paid, so you don't need to affix a stamp.

Facilitating Community Action

Council and industry in partnership

Charles Sturt Council

- 30 small businesses
- Council ran energy workshops
- Industry provided equipment
- Combined savings of \$311 000
- 2711 tonnes of eCO2 annually
- Won UN World Environment Award



Facilitating Community Action

- Australian Building Greenhouse Rating (ABGR) scheme developed by SE DA
- Businesses in **North Sydney** use ABGR to rate their buildings or tenancies as one to five
- If all companies in North Sydney CBD increased BGR from 3 to 4-stars savings would be savings of:
 - \$4,042,358 and 51,000 tonnes of GHG emissions
 - equivalent to taking 11,333 cars off the road.

So far 20 companies have joined the initiative



Facilitating Community Action Switched on Programme

City of Melbourne and City of Port Phillip

- Joint venture 2002-03
- 45 retrofits with the food sector
- Lighting consumption will be reduced by 40%
- Half the abatement has been attributed to Melbourne and the other half to Port Phillip - 972 CO2 tonnes annually

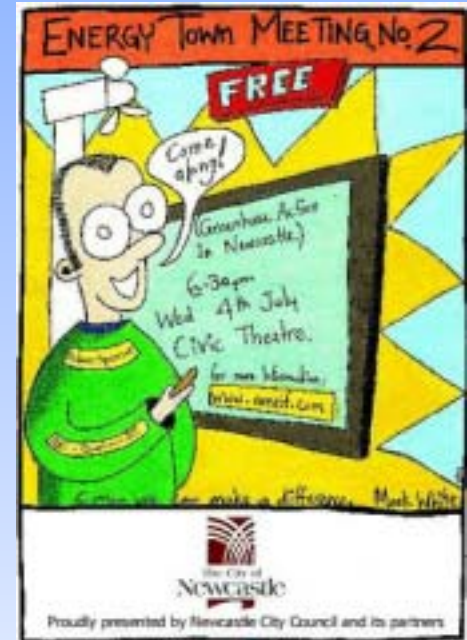


Facilitating Community Action

Focus on community involvement

Newcastle Energy Town Meetings

- huge turnouts
- *Greenhouse Independence Day* - 4 July
- Climate Cam-an internet based greenhouse report card



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Sustainable Transport

Alternative fuels and modal shifts



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Waste Measures

Waste minimisation, waste segregation and methane capture



Facilitating Community Action

Residential Measures

Encouraging solar applications from housing to bus shelters



QuickTime™ and a
Photo - JPEG decompressor
are needed to see this picture.

Some lessons learned

- Culture change is the key design element for sustainable local greenhouse action
- Value for local communities is to “quality of life” or a TBL business case
- Each sector needs to identify its role and then implement their own responsibilities - and then discover ways to work collaboratively