

Local Climate Action in Australia

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Results for 2006-2007

- 178 Councils reporting
- Total reduction: over 3.7 million tonnes CO₂-e
- Accumulated reduction: almost 13.3 million tonnes CO₂-e
- Over A\$17 million invested in abatement actions and A\$18million saved through reduced energy costs

Councils' own operations

- 15% of 06-07 emissions came from Councils' own operations
- Many small actions: improving lighting efficiency, turning off equipment, buying smaller vehicles and green power as well as focusing on streetlighting and waste

Joondalup Pool



New systems for an aquatic-leisure centre

- Three types of systems were identified as suitable: gas boiler system; electric heat pumps; and geothermal heating.
- It is expected that over a 15-year period the geothermal heating system, when compared with the other two options, will save approximately 14,000 tonnes CO₂-e over the same period

Adelaide Electric Bus



Tindo - Council leadership

- The solar PV system at the new Adelaide Central Bus Station will generate almost 70,000 kilowatt hours of zero carbon emissions electricity each year
- With an operational range of 200 kilometres between charges under typical urban conditions, the air-conditioned solar electric bus is able to carry 27 passengers, with 25 seated and two wheelchair spaces

Councils' community actions

- 85% of reductions came from community actions
- Typical actions included energy audits for local businesses, technology programs for residences, more planning controls for new buildings and promoting active transport

Energise Business



Energise Business

- The 24 businesses participating in Ararat could slash their annual greenhouse emissions by around 750 tonnes (15 million black balloons) by implementing actions recommended under the program
- If participants implemented all recommendations, they would return over \$150,000 in savings to the local economy each year.

Tweed: Sustainable Households Project

- 2,000 AAA rated showerheads and 10,000 compact fluorescent light globes distributed to households
- \$270,000 worth of energy and water saving products were given away to the local community in just five days

Next Steps

- Integrating mitigation with adaptation: building resilience
- Understanding the opportunities for mitigation with new emissions trading schemes: aggregating end-users
- Continuing execution and re-investing in new actions: capturing the small gains