



CITIES FOR CLIMATE PROTECTION

Greenhouse gas reduction and cost saving solutions for local governments

CASE STUDY



CITIES FOR CLIMATE PROTECTION AUSTRALIA

Local Councils around Australia are joining the Cities for Climate Protection™ program as a direct response to the threat of global warming.

Councils can help reduce community emissions as well as reduce the emissions from their own activities.

In response, to the growing call to reduce the threat of global warming, many councils are setting ambitious targets for emission reduction by the year 2010.

The challenge for councils is to meet or exceed these targets without reducing services or increasing costs to ratepayers.

Energy Conservation Systems (ECS) implemented Energy Performance Contracting (EPC) to local councils around Australia to help achieve these targets. EPC is an innovative form of contracting developed to overcome the major barriers in delivering cost-effective energy efficiency.

Using EPC the upgrading of energy and operational efficiency of the systems in each council was paid for through energy and water savings.

A sample of ECS Council savings

RANDWICK CITY COUNCIL, NSW	54%
BRISBANE CITY COUNCIL, QLD	38%
DAREBIN CITY COUNCIL	35%
HORNSBY SHIRE COUNCIL	32%
ADELAIDE CITY COUNCIL, SA	70%
LOCAL GOV'T. ASSOCIATION QUEENSLAND, QLD	50%
MONASH CITY COUNCIL CIVIC CENTRE, VIC	47%
MORELAND CITY COUNCIL, VIC	36%
MOORABBIN CITY COUNCIL, VIC	45%



Lessons & Outcomes

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If your organisation lacks the time, resources, expertise and capital to fund energy saving initiatives, or you are not sure about the returns from an energy efficient project and want to minimise risk, EPC may be the answer.

Front Image | Monash City Council Civic Center, Victoria
 1 | Administration Center, Hornsby Shire Council, NSW
 2 | Moorabbin City Council, Victoria
 3 | Brisbane City Council, Queensland

Energy Performance Contracting (EPC)

EPC is a relatively new form of contracting in Australia and available in partnership with ECS.

It offers energy and greenhouse reductions that pay for themselves. What's more, the savings are guaranteed.

The EPC process enables councils to outsource the technical and financial risk of implementing energy saving measures. As all savings are guaranteed, any shortfall between predicted and actual savings is repaid to council.

Furthermore, the large number of energy efficiency projects undertaken in an EPC allows project costs to be shared across the entire project. Therefore, projects with a short payback are able to offset projects that would otherwise not be feasible. As such, projects like co-generation, PV or other renewable projects are able to be completed under the EPC umbrella.

The EPC implementation method is used extensively in the US and Canada and is the easiest way for any council to achieve their greenhouse reduction targets.

KEY OUTCOMES OF ENERGY PERFORMANCE CONTRACTING (EPC)

- REDUCTION OF OPERATING COSTS
- FACILITY IMPROVEMENT
- GUARANTEED PERFORMANCE
- OUTSOURCING OF NON-CORE ACTIVITIES
- SIMPLICITY OF A SINGLE PROVIDER
- ALTERNATIVE SOURCE OF FACILITIES FUNDING
- ACCESS TO EXPERTISE
- RISK MANAGEMENT
- SOLUTION TO A SPECIFIC NEED
- ENVIRONMENT BENEFITS