

Eastern Alliance for Greenhouse Action partner with Ecosave to deliver guaranteed savings across four councils in regional Victoria



The Eastern Alliance for Greenhouse Action (EAGA) was formed in 2008 in response to community concerns about climate change and a desire to drive action in a coordinated manner in the eastern region. EAGA's members (eight councils including: Boroondara, City of Glen Eira, Knox City Council, Maroondah City Council, Stonnington Council, City of Monash, City of Whitehorse and Yarra Ranges Council) identified the need to provide leadership, overcome jurisdictional barriers and work more collaboratively. Accordingly, EAGA is committed to responding to the challenges of climate change through the delivery of programs that aim to: reduce greenhouse gas emissions throughout the region and provide support for regional adaptation to climate change impacts

EAGA has recently embarked on a joint Energy Performance Contracting (EPC) program – the first of its kind in the Australian Local Government sector.

In October 2016, EAGA released an Expression of Interest for Energy Services Companies (ESCOs) to engage EAGA with the view to deliver comprehensive range of energy conservation measures to participating council members. Ecosave was one of three Energy Performance Contractors among Honeywell and Schneider Electric shortlisted to respond to the Request for Proposal. Ecosave was successfully awarded the Detailed Facility Studies (DFS) for Yarra Ranges, Maroondah, Boroondara and Knox Councils, following a unanimous decision by EAGA's executive team and member councils.

These four councils are the first members to initiate the EPC process. A dedicated staff member (the EAGA Major Energy Project Officer) has been employed to manage the project's implementation. As additional councils begin their own EPC process in subsequent years, they will be able to access the Major Energy Projects Officer and share in associated costs.

The EPC projects for all four councils are now in the implementation phase which include major asset renewal across 28 buildings to achieve cost reductions through energy efficiency (approximately \$2.8 million) and reduced greenhouse gas emissions (by more than 5,200 GHG tonnes per year!)



Source:
www.eaga.com.au

Ecosave is currently implementing the following Energy Conservation Measures across Yarra Ranges, Boroondara, Maroondah and Knox City Councils:

High Efficiency Lighting	LED upgrades, fittings, refurbishments and re-lamping.
HVAC and Mechanical	Boiler replacements HVAC replacements including new air conditioning units HVAC refurbishments Pool HVAC optimisation Overnight load reduction Variable Speed Drives
Utility	Solar PV (More than 632 kW in rooftop mounted Solar PV) Power Factor Correction Voltage Regulation
BMS & Analytics	BMS upgrades Improved central building control at sites BMS Fine Tuning and Analytics
Building Fabric	Window films Pool blankets

This Joint EPC is a holistic set of energy efficiency, renewable energy and distributed generation measures across a suite of facilities that are capable of delivering sufficient savings to finance the full cost of the project.

- Aquatic centres including Pools, Gymnasiums and Health Clubs
- Town Halls and Council Offices
- Museums
- Libraries
- Arts Centres
- Community and Family Centres
- Recreational Centres

Through working together in a joint process, EAGA Councils aim to:

- Streamline market engagement process through a single Expression Of Interest (EOI) and Request for Quotation (RFQ) process
- Generate sufficient scale to attract more responses from interested ESCOs
- Capture cost savings through reduced project management fees and costs associated with the Detailed Feasibility Study (DFS) and Monitoring and Verification (M&V) stages
- Generate implementation efficiencies through information sharing across participating Councils

A fundamental element of the EPC process is that the savings are contractually guaranteed to EAGA Councils by Ecosave. Savings delivered by the project after the repayments are complete will be retained and may be reallocated towards other Council priorities