

ENERGY MANAGEMENT SERVICE TO TIPPERARY LOCAL AUTHORITIES



TIPPERARY ENERGY AGENCY

AIEA PROJECT SUMMARY 1

Summary

Tipperary North and South County Councils do not expend enough per annum on energy individually to justify the establishment of a stand alone Energy Manager in each Council. As a result the Tipperary Energy Agency was contracted to provide Energy Management Services to both Local Authorities in Co. Tipperary.

The Energy Management Programme began in July 2001 and ended in July 2004. The three year programme was designed to give maximum energy savings to both North Tipperary County Council and South Tipperary County Council, the two major partners involved, at minimum cost. The contract was based on a 'payback' system. Targets of savings were set for each Local Authority that were to be achieved over the life of the contract. The targets set were €134,292 and €92,714 respectively for South and North Tipperary County Councils. These savings targets were reached and exceeded and the Energy Management Service contract has been renewed for a further three year period.

Project Classification

END-USER AREA	TARGET AUDIENCE	TECHNICAL
<input checked="" type="checkbox"/> NEW BUILDINGS	<input checked="" type="checkbox"/> CITIZENS	<input checked="" type="checkbox"/> ENERGY EFFICIENCY
<input checked="" type="checkbox"/> REFURBISHMENT OF BUILDINGS	<input type="checkbox"/> HOUSEHOLDS	<input checked="" type="checkbox"/> HEATING
<input type="checkbox"/> TRANSPORT AND MOBILITY	<input checked="" type="checkbox"/> PROPERTY OWNERS	<input type="checkbox"/> COOLING
<input type="checkbox"/> FINANCIAL INSTRUMENTS	<input type="checkbox"/> SCHOOLS AND UNIVERSITIES	<input checked="" type="checkbox"/> APPLIANCES
<input checked="" type="checkbox"/> INDUSTRY	<input checked="" type="checkbox"/> DECISION MAKERS	<input checked="" type="checkbox"/> LIGHTING
<input type="checkbox"/> LEGAL INITIATIVES	<input checked="" type="checkbox"/> LOCAL AND REGIONAL AUTHORITIES	<input checked="" type="checkbox"/> CHP
<input checked="" type="checkbox"/> PLANNING ISSUES	<input type="checkbox"/> TRANSPORT COMPANIES	<input type="checkbox"/> DISTRICT HEATING
<input checked="" type="checkbox"/> SUSTAINABLE COMMUNITIES	<input checked="" type="checkbox"/> UTILITIES	<input type="checkbox"/> SOLAR ENERGY
<input checked="" type="checkbox"/> USER BEHAVIOUR	<input type="checkbox"/> ESCOS	<input type="checkbox"/> BIOMASS
<input checked="" type="checkbox"/> EDUCATION	<input checked="" type="checkbox"/> ARCHITECTS AND ENGINEERS	<input type="checkbox"/> WIND
<input type="checkbox"/> OTHER	<input type="checkbox"/> FINANCIAL INSTITUTIONS	<input type="checkbox"/> GEOTHERMAL
<input type="checkbox"/>	<input type="checkbox"/> OTHER	<input type="checkbox"/> HYDRO POWER
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> OTHER

CONTACT DETAILS



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Duration

The contract ran for a period of three years from July 2001 to July 2004. Following the completion of this contract a new three year contract running has been agreed.

Process

1. Electricity Account Management: A key part of energy management is account management, i.e. changing account structures, closing accounts and general account management. This includes changing energy supplier in the deregulated electricity market.
2. Energy Management Committees: The set up of an Energy Management Committee is essential to the Energy Management program; it ensures good communication between all sectors of the Local Authority and the Energy Manager.
3. Awareness: The energy management service has run a number of awareness raising initiatives, from Energy Awareness week, to equipment promotions, competitions, leaflets, newsletters, training seminars. Etc.
4. Energy Audits: Extensive electrical and building audits have been carried out.
5. European Energy Awards: Nenagh UDC is one of only two towns in Ireland to be awarded the European Energy Award. This is an ongoing self-assessment audit system which looks at the energy use of European towns and cities and gives an award to those towns which achieve a high level of energy awareness sustainability and efficiency.
6. Fire Stations in North Tipperary: Grants were received from SEI to refurbish Fire Stations in North Tipperary.
7. Public Lighting Survey: North Tipperary County Council was one of the first Local Authorities to carry out a comprehensive public lighting survey.
8. Combined Heat and Power: South Tipperary County Council with Clonmel Borough have installed a CHP plant in Clonmel Omniplex swimming pool. This will supply heat to the swimming pool and electricity to the swimming pool the museum.
9. Renewable Energy Feasibility Studies: A number of studies have been carried out on the feasibility and effectiveness of various energy efficient and renewable energy technology projects within the council.

Financial resources and partners

Organisation		Country
Tipperary Energy Agency	TEA	Ireland
North Tipperary County Council	NTCC	Ireland
South Tipperary County Council	STCC	Ireland

Impact

The overall target of saving for the energy management program was €227,006 over three years, this target has been achieved and surpassed by approximately €177,000 or 78%. The energy management service has also identified savings of over €69,000 and the savings from the CHP will amount to an annual saving of over €40,000 per annum. The service has achieved Carbon Dioxide savings of 870 tons and identified savings of over 270 tons per annum.