

ENERGY FOR CHANGE

With over 1,000 electricity accounts, 800 vehicles and 100 buildings, Cork County Council spends about €17 million each year on energy. Part of the Cork County Energy Agency's remit is to reduce this usage, in line with the obligation on local authorities to reduce energy usage by 33 per cent by 2020.

Local authorities have a massive role to play in spreading the sustainable energy message, and set the precedent for the wider community. It gives people the confidence to try it out themselves," according to the manager of the Cork County Energy Agency (CCEA).

A pioneer of energy innovation for 15 years, the agency has had the time to garner huge experience in testing out innovative renewable energy ideas since it was the first

energy agency to be established in Ireland in 1995. "We're involved in everything that happens in Cork so anything that happens in the council has a spillover effect," claims Alex Grassick.

Cork County Council is currently evaluating its electricity tenders; it took the unique step of breaking its tender into three categories: general purpose; low-voltage max demand; and medium voltage.

"By doing this it ensures we get the cheapest price for every unit of electricity

we consume," says Grassick.

The agency bought an electric vehicle at the end of 2010. It intends to further increase the number of electric vehicles in its fleet, and aims to showcase the benefits of them to other councils. "Every car company is producing an electric car; every company wasn't producing a 100 per cent biofuel car when biofuels were supposed to be the answer to everything."

The agency has undertaken 38 European co-funded energy projects in its lifetime. Its three offices give free and impartial advice in relation to energy matters. The work of the officers ranges from dealing with people building houses to people building wind farms.

Grassick and his team are in the process of finalising the council's climate change strategy, the roadmap to achieving its 2020 targets. "We're trying to get every section of the authority enthusiastic about energy. Local authorities should be to the forefront of the green economy."

The council hopes to use more biomass in a local co-operative sense and to help farmers to diversify their agricultural operations.



*Cork Energy Agency is part of the
Environmental Section of Cork County Council
First Energy Agency in Ireland, founded 1995*

Roles of the office:

PROJECT OFFICE

- 38 Co Funded Projects with over 100 partners in 20 EU Countries

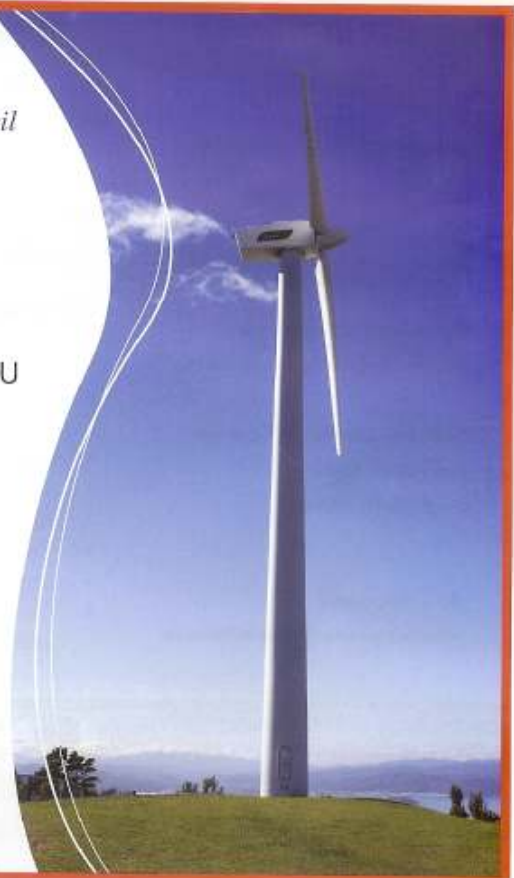
PUBLIC INFORMATION OFFICE

- Open to the public of County Cork, imparting free impartial advice to the people of Cork County

CORK COUNTY ENERGY AGENCY IS ACTIVELY INVOLVED IN REDUCING CORK COUNTY COUNCIL'S ENERGY USAGE.

Committed to meeting our 2020 targets

For more information please call 022-43610 or email energyoffice@corkcoco.ie





Midland Energy Agency

The Midland Energy Agency is funded by and serves Laois, Offaly, Westmeath and Longford County Councils. The aim of the agency is to promote and develop energy conservation and renewable energy for the region, coupled with meeting important Climate Change targets.

Over the past two years the focus has been on projects which reduce the everyday energy consumption and cost within the four local authorities. Typical projects include energy audits and improvements on waste water treatment plants, water supply sites, public lighting and buildings. The agency is also involved in developing Key Performance indicators for water and wastewater sites, along with producing Display Energy Certificates for local authority buildings over 1000m² to comply with the Energy Performance Buildings Directive.

In August 2009 the agency joined other local energy agencies in a regional tender for supply of electricity to local authority sites. The regional tender for the supply of energy to local authorities involved will make significant savings from these tenders in 2010. It is expected that total savings produced by the agency by the end of 2010 will be in excess of €600,000.

On the aspect of renewable energy, primary surveys have been carried out on three water supply sites in the midlands region for the prospect of installing substantial wind turbines and so far indications have been positive. As a pilot project a hybrid street light was installed at Laois County Hall, the unit collects solar and wind energy and powers a low energy LED Street light.

For more information on the Midland Energy Agency please contact:

Mark Macaulay, Midland Energy Agency Manager T: 057 8674350 E: mmacaulay@laoiscoco.ie

Richard Morton, Midland Energy Agency Officer T: 057 8674363 E: rmorton@laoiscoco.ie



Egan Safety Solutions
Health & Safety Engineering

Unit 14, Lee Park, Sitecast
Industrial Estate,
Pouladuff, Cork.

021 4966560

www.egansafetyolutions.ie

Egan Safety Solutions provide specialist health and safety advice to our clients using a team of highly qualified and experienced industry consultants. Egan Safety Solutions has developed expertise in the wind energy sector in recent years acting as safety consultants and project supervisors on some of the largest wind farm developments in Ireland. Egan Safety Solutions provides training and consultancy support to the Irish Wind Energy Association.

We provide the following services to clients in the wind energy and associated sectors:

- Project Supervisor Design and Construction on wind farm projects
- Safety Management Systems implementation (on projects and operational wind farms)
- Inspections, Audits and Accident Investigations (on projects and operational wind farms)
- Training on health and safety on wind farms including electrical safety and working at height
- Development of safe working procedures on operational wind farms
- Development of contractor management procedures on wind farms
- Development of electrical safety procedures on wind farms including high voltage procedures



AIEA

ASSOCIATION of IRISH ENERGY AGENCIES

**Working together to Promote Energy Efficiency
and Renewable Energy Throughout Ireland**

The Association of Irish Energy Agencies is an all-island body supporting the development and implementation of energy policy and best practice in an impartial and effective manner at local, national and EU level, through its own actions and by strengthening the capabilities of its members.

There are 14 Local Energy Agencies covering a population of approximately 3 Million.

To find out more about the AIEA or the local energy agencies in your area, please visit www.aiea.ie

Association of Irish Energy Agencies c/o

Tipperary Energy Agency, Craft Granary, Church Street Cahir, Co. Tipperary

T: 052 74 43090 F: 052 7443012 E: info@aiea.ie W: www.aiea.ie



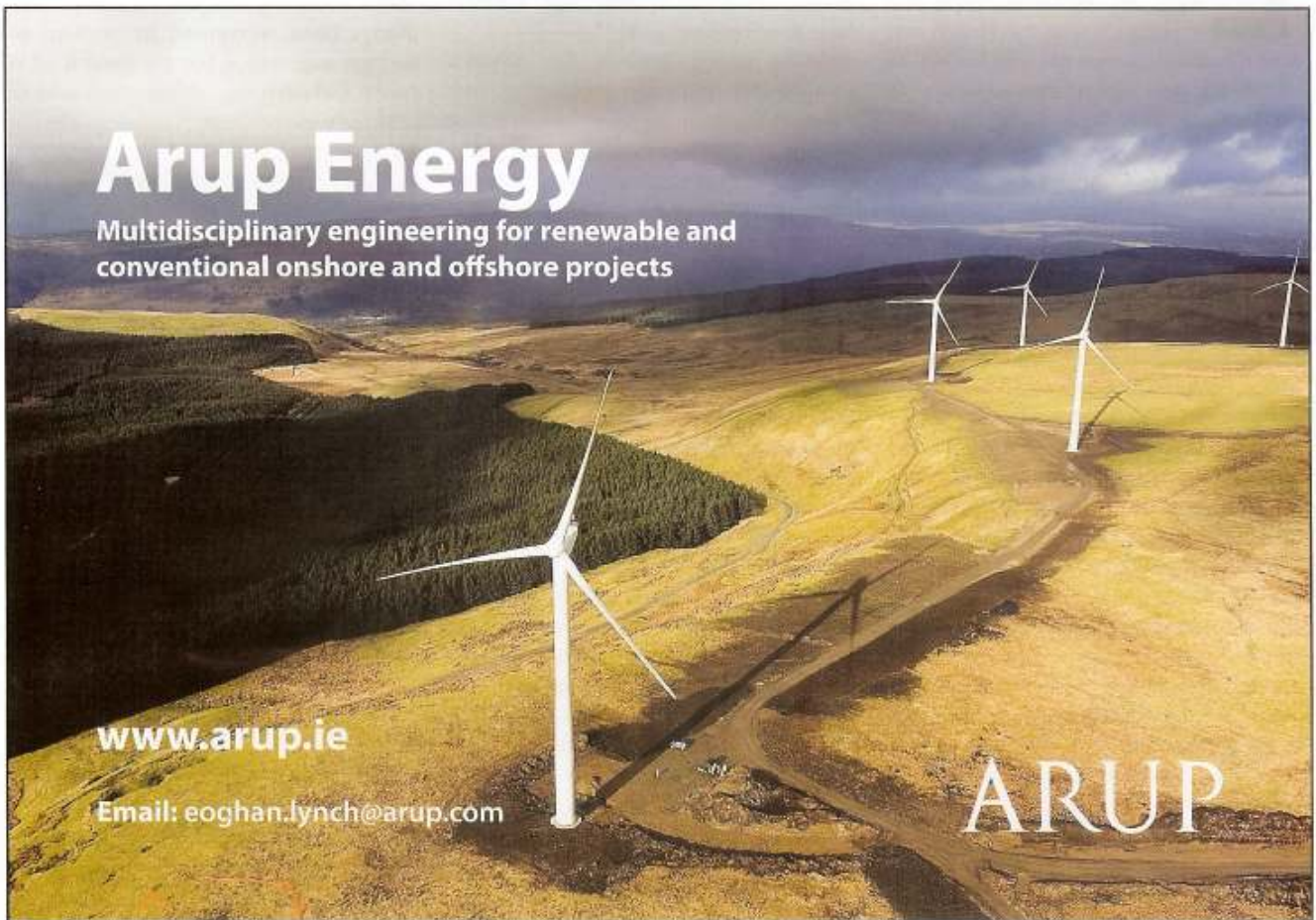
Arup Energy

Multidisciplinary engineering for renewable and conventional onshore and offshore projects

www.arup.ie

Email: eoghan.lynch@arup.com

ARUP



AN ASSOCIATION OF ENERGETIC AGENCIES



The Association of Irish Energy Agencies works as an all-island body to support the development and implementation of energy policy and best practice in an impartial and effective manner at local, national and EU level, through its own actions and by strengthening the capabilities of its members.

The Association of Irish Energy Agencies (AIEA) was established in June 2000, and currently has a membership base of 14 Local Energy Agencies (LEAs) in Ireland, including one in Northern Ireland (with three regional offices).

The Association also counts three additional county councils with no energy agency among its members. In total, 27 local authorities are represented through the AIEA.

For many years the energy agencies have worked closely with the local authorities in the area of climate change to help them to achieve significant energy savings. For example, the energy agencies have worked with the councils on issues such as energy management and procurement, energy training workshops, energy efficient housing, sustainable planning, efficient public lighting and alternative vehicles (i.e. biofuels).

In more recent times, the local energy agencies have started to assist their respective councils on many low carbon initiatives, such as the development of Climate Change Strategies and a Carbon Management Tool, in order to set targets for further reduction in CO₂ emissions.

A UNIQUE POSITION

Local authorities are in a unique position to influence behavioral change in the residential, transport and commercial sectors through their development plans. In addition, through working closely with their local energy agency, they are engaging in actions relating to improving housing stock, flooding relief, water supply, rainwater attenuation for developments, coastal management and drainage.

The Association of Irish Energy Agencies, through the knowledge and experience of its members, has the skills to assist local authorities to combat climate change.

New environmental policy instruments such as the recently announced carbon tax, carbon impact assessments, proposed water metering and revised building regulations will require the same skills and initiatives as demonstrated in the past from AIEA members.

The Association aims to enlarge its network of members and to work in collaboration with influential parties to ensure the efficient management of energy resources available.

For more information on the AIEA, visit www.aiea.ie or telephone 052-7443090

AIEA MEMBERS

Carlow/Kilkenny Energy Agency

Tel: 059-914 3871;
website: www.carlowkilkennyenergy.com

Cavan-Monaghan Rural Development Co-operative

Tel: 049-4338477; website: www.cmrd.ie

City Of Dublin Energy Management (CODEMA) Agency

Tel: 01-4100659; website: www.codema.ie

Cork City Energy Agency

Tel: 021-4941508; email: john_walsh@corkcity.ie

Cork County Energy Agency

Tel: 022-43610
Email: energyoffice@corkcoco.ie

Donegal County Council

Tel: 074-9724400

Galway Energy Agency Limited

Tel: 091-566954; email: pkeavney@galwaycity.ie

Galway County Council

Tel: 091-509000

Kerry Energy Agency

Tel: 066-7183576; email: wmoylhan@kerrycoco.ie

Kildare County Council

Tel: 045-980200

Limerick/Clare Energy Agency

Tel: 061-234296; website: www.lcea.ie

Mayo Energy Agency

Tel: 096-76113; website: www.mayoenergy.ie

Meath County Council

Tel: 046-9097200

Midlands Energy Agency

Tel: 057-8664000; email: mmacaulay@laolscoco.ie

Monaghan County Council

Tel: 047-30500

Northern Ireland Energy Agencies

Tel: 028-90265997 - Belfast
Tel: 028-71373430 - Derry
Tel: 028-66328269 - Fermanagh
Email: info@nienergyagency.org

Tipperary Energy Agency Limited

Tel: 052-7443090; website: www.tea.ie

Waterford Energy Bureau

Tel: 051-395531; website: www.waterfordenergy.ie

Wexford Energy Management Agency Ltd

Tel: 053-9176324
Email: jim.owens@wexfordcoco.ie
Website: www.wexfordenergy.com

* To find out more about the AIEA or the local energy agencies in your area, please visit

www.aiea.ie



A FOCUS ON ENERGY EFFICIENCY

Since Tipperary Energy Agency was established in 1998 by North and South Tipperary County Councils, in conjunction with Tipperary Institute, it has spearheaded a wide range of innovative actions in the field of sustainable energy.

From its initial focus on promotion and information provision, Tipperary Energy Agency (TEA) has evolved to support North and South Tipperary County Councils in implementing actions which reduce their energy bills and carbon footprint.

The TEA works with the councils through cross-departmental climate change committees. Action plans are developed and the TEA provides the technical expertise to realise the implementation of measures. Recent initiatives have included:

- North Tipperary County Council completing SEI Energy MAP training.
- Securing €250,000 funding under the SEI SEEEP programme to implement energy efficiency upgrades.
- Reducing energy consumption in North Tipperary County Council Civic Offices

by 25 per cent (€30,000 per annum) through low-cost energy efficiency measures.

- Installation of CHP plant in swimming pool in Clonmel.
- Installation of micro-wind turbine in Wallers lot recycling centre.
- Upgrade of heating controls in South Tipperary County Council County Hall.
- Electricity purchasing contract worth savings of €450,000.
- Partnership with North Tipperary County Council in the multi-million EU SERVE Project.
- Energy efficiency training of engineers, architects, planners and trades persons.

The TEA, one of 14 local energy agencies across Ireland, has identified the need to support skills development and knowledge

within the local authorities and delivers has a range of training programmes.

The TEA in conjunction with Kerry County Council, has already trained over 200 water services personnel across Ireland in this area.

In the future the TEA will work with the councils to achieve the 33 per cent reduction in energy consumption by 2020, as outlined in the National Energy Efficiency Action Plan. This will require a strategic approach which maximises the use of resources in the councils.

The TEA is co-ordinating two national working groups for SEI on energy efficiency in the areas of water services and public lighting. It has also provided training to seven other local authorities under the SEI Energy MAP programme.

Supporting Sustainable Energy Solutions

TEA is a leading Local Energy Agency supporting the implementation of sustainable energy actions in Co. Tipperary.

Key activities for Local Authorities include:

- **Energy Auditing**
- **Feasibility Studies**
- **Energy Procurement**
- **Training: Energy Efficiency in Water Services, Strategic Energy Management, Renewable Energy etc**
- **Proposal development and securing funding (EU, National)**
- **Monitoring and Targeting**

Tipperary Energy Agency, Craft Granary, Church Street,
Cahir, Co. Tipperary

T: 052 7443090 F: 0527443012
E: info@tea.ie W: www.tea.ie

