

'SEAI set up energy workshops for our heads of centres and porters. SEAI then reviewed energy management at 20 of our high energy using centres, and identified improvement action plans. Between 2009 and 2018, we saved over €350,000 on energy costs across 60 centres.'

Ray McKeown, Energy Officer, City of Dublin ETB

Energy Management for ETBs

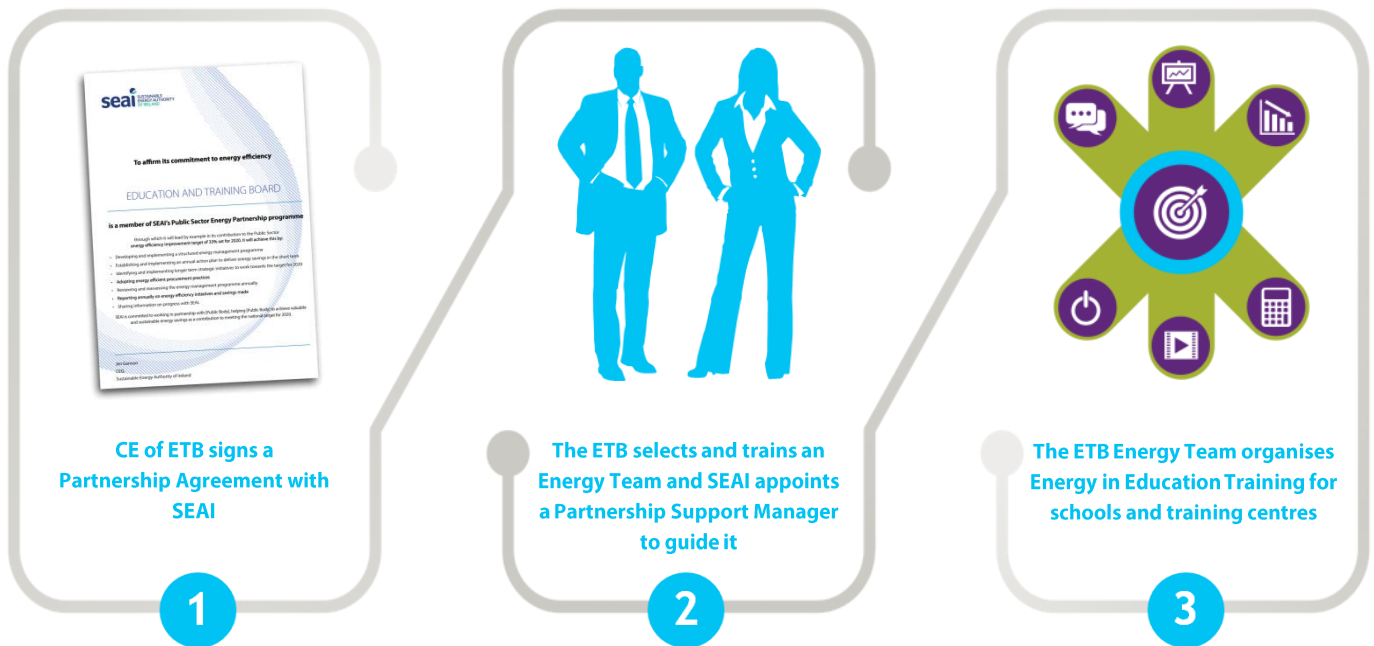
An ETBI and SEAI initiative to maximise energy savings

STRATEGIC VISION

ETBI is collaborating with SEAI to provide a comprehensive and coordinated energy management initiative, delivered through training courses, site visits, and support for ETBI management, staff, principals, teachers, and caretakers.

Outlined below is the pathway to engaging with SEAI on the journey towards improved energy performance and substantial savings. This model is tailored around the needs of ETBs and is most successful when the CE and senior management fully support it.

The delivery model has three sequential phases:



Phase 1- CE Partnership Agreement

Partnership is a demonstration of senior management commitment and is the first step to getting access to all SEAI's supports tailored for ETBs. SEAI commits to deliver a clear and practical support plan for the energy management journey. The ETB can exchange signed certificates with SEAI or, for a more formal signing, the CE of the ETB can meet with the CE of SEAI. Either approach provides an opportunity for internal and external publicity. Similar partnership arrangements in other public bodies are delivering significant savings and environmental improvements.

Benefits of a Partnership Agreement

At no charge to your organisation, a team of SEAI appointed experts coordinated by a dedicated Partnership Support Manager will:

- Mentor your organisation towards exemplar energy management alongside peer organisations in the Public Sector
- Provide training to your core energy management team at the regional centre and to schools and training centres in your portfolio
- Carry-out building energy assessments to identify the ways to cut energy costs, often with little or no capital investment required
- Highlight your achievements through promotional activities carried out by SEAI.

Energy costs can be close to 50% of an ETB's Other Non-Pay (ONP) budget, therefore a 10% energy saving can result in a 5% increase in operational budget.

Phase 2- ETB Energy Team

Once the Partnership Agreement is complete, the core action by the ETB is to establish an energy team and get them trained. SEAI experts will provide support and training and the coordinator and the wider team should attend the three full day Energy MAP course.

Getting started

The relevant ETB Director appoints an Energy Coordinator and support the establishment of an Energy Team. For some smaller ETBs, an Energy Coordinator may be sufficient to organise the energy management infrastructure across the portfolio of sites. For larger ETBs, the Energy Team may involve people from other areas of the business, such as procurement, training centre manager, facilities etc. The PSM will advise on the most effective team structure.

The role of the ETB Energy Coordinator is to:

- Organise Energy MAP training for their ETB along with Energy Team members
- Lead the Energy Team at the regional centre
- Plan for the delivery of Energy in Education Training to the ETB's schools and training centres and select one or two larger sites for an energy visit.

It is a condition of SEAI support that a coordinator attends SEAI's Energy MAP training. Training on energy management is essential to ensure that ETB teams have the skills and knowledge to implement an energy management strategy throughout the organisation.

Benefits of Energy MAP training for ETBs

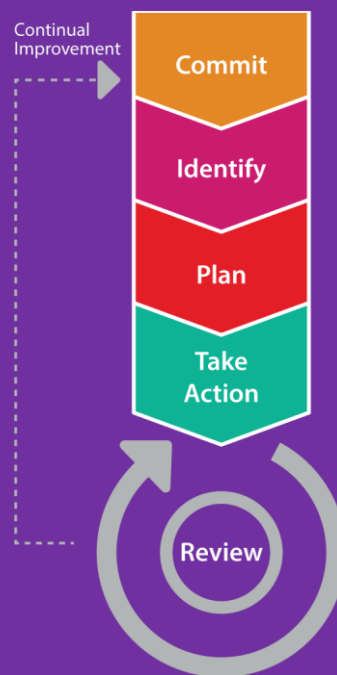
- Training is an integral part of any energy management plan.
- Training is a real example of how the ETB is taking steps to adhere to legislative requirements and reduce its environmental impact.
- Application of Energy MAP principles delivers annual energy savings of between 5% and 10%, and more, where the building structure and equipment is upgraded.
- Training provides ETB participants with the broad base of knowledge and skills needed to monitor and manage energy use.
- Training is an opportunity to engage staff and promote a culture of energy savings throughout the entire organisation.

Energy MAP training format

Participants take part in three full-day workshops, over a six-month period to help them:

- Set up an effective Energy Team
- Manage and monitor energy use
- Identify significant energy users
- Develop a register of opportunities
- Implement energy-reduction action plans
- Have opportunities to network, share knowledge and experience with other participants
- Avail of resources, online tools and expert advice
- Select and operate appropriate new equipment and technologies when opportunities arise.

ETB representatives can join a wider Public Sector Energy MAP series or a tailored ETB dedicated course.



Energy MAP process

Without staff training, the ETB's energy use and costs will be higher, investment decisions for facility upgrades will be less informed, and meeting ever-tightening regulatory requirements will become more challenging.

Phase 3- Energy in Education Training

If the ETB completes phases 1 and 2 of the delivery model, the portfolio of sites within an ETB qualify for a bespoke Energy in Education (EinE) Training programme. The EinE programme offers a range of supports developed by SEAI in partnership with the Department of Education and Skills designed to help schools to improve energy management practices, reduce school operating costs and protect the environment.

Over 600 schools from all over Ireland have already taken part in this programme. Participants, including principals, teachers, and caretakers are saving 5% to 10% on energy bills. Achieved by a better understanding of energy supplier billing, identifying where most energy waste occurs and putting in place an annual energy saving plan.

Getting started

Energy in Education training is hosted by the ETB at a suitable local venue. ETB arranges for its schools and colleges to send a minimum of two representatives to attend the two, half-day training workshops. Usually the principal and the caretaker attend but it can be any suitable person nominated by the ETB. SEAI funds the trainers and course materials. Participants have access to a range of resources, online tools, and expert advice.

For larger sites, chosen by the Energy Coordinator, SEAI provides a follow-up Assessment, Mentoring and Advice (AMA) site visit service. ETBs working with SEAI will begin to track energy management performance across these sites and maximise the immediate opportunities for no-cost and low-cost savings.

Benefits for ETBs of training school/centre staff

City of Dublin ETB and Cavan and Monaghan ETB reported the following benefits:

- Free energy management training for all of their sites.
- Local energy expertise now available at each site with a register of opportunities developed as part of the training.
- Site-specific reports and assessments of larger sites within their portfolio.
- Enhances the delivery of Green Schools targets and broader environmental plans.
- No-cost, low-cost savings, which can save at least 5%-10%.
- An opportunity for teachers and facilities staff to work together on energy saving activities.

Looking ahead

Once ETBs benefit from no-cost and low-cost savings, energy data gathered from the ETB's sites will help identify priority areas for further investment. The PSM can provide details of relevant financial support mechanisms from SEAI, the Department of Education and Skills and other bodies.

Planned next steps for the ETB Sector

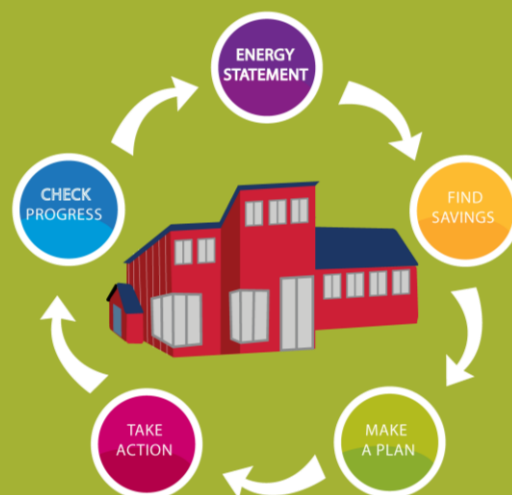
As ETB Energy Teams become more established, SEAI and the Department of Education and Skills, plan to form an **Energy Bureau** for the sector. This will provide additional, more advanced support to ETBs. Bureau support is expected to be in the areas of; energy metering, energy performance indicators, benchmarking, assessments of investment opportunities, energy efficient design, and investment business case proposals. ETBs will determine the full remit of the Bureau's work.

Contact energyineducation@seai.ie and we can plan your energy management journey.

Energy in Education training format

Participants take part in two half-day workshops, one month apart to:

- Learn to understand energy bills, analyse energy consumption and identify opportunities to save
- Use guides and workbooks to learn how to introduce a five step energy management process to the school/centre
- Develop and implement an Energy Savings Plan and review progress
- Avail of resources, online tools and expert advice
- Receive an Energy Assessment and Mentoring site visit from an appointed Energy Advisor (if the site is approved for a visit by the Energy Coordinator).



Energy in Education process