



The Energy Savings Obligation Scheme

“The Clients Perspective”

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Enprova

- Enprova is a collaboration by the Irish Petroleum Industry Association
- Their sole objective is to deliver the energy saving credits target placed on the oil industry by the EED



Casey Technology

ENERGY MANAGEMENT SPECIALISTS

- One of Irelands leading energy management service companies.
- We specialise in Energy Management Systems , ISO 50001 etc.
- We provide an extensive surveying service (Steam, Steam traps, compressed air, Flow meter verification)



Today's Topics

1. General Implications of the Directive and its transposition into Irish Law through IS 426
2. Tailored solutions available from Casey Technology
3. Gaining competitive advantage - Financial assistance now available



The Energy Efficiency Directive

Implications For
Obligated Parties



The “Obligated Parties”

“Obligated parties are energy suppliers that have a market sales volume in Ireland of greater than 600 GWh per annum”.

The savings target is 1.5% of volume sales.

Their combined annual target is 550 GWhrs Primary Energy Equivalent, *(This has been reduced from 1102 by including other alternative policy measures)*



“Obligated Parties”

- Airtricity
- Bord Gais
- Bord Na Mona
- Electric Ireland
- Energia
- ENPROVA
- VAYU
- Calor



An Energy Saving Credit

- One Qualified kWhr of Primary Energy Equivalent
(Electricity at point of use X 2.5)
- Strict measurement and verification of the actual savings delivered must be clearly documented, this will probably be audited .
- Activities of the obligated party must be demonstrably material to the achievement of the claimed savings.
- The savings must be additional (over and above other projects or initiatives)

[Application Form](#)



Some Participating Organisations

NOT NECESSARILY SUPPORTED BY ENPROVA

ABBOTT

Carbery Food Ingredients

Dublin Airport Authority

Dairygold

NUIG

MSD

Supervalu

UCC

NUIM

Pfizer

Queally Group

Irish Rail





Casey Technology

ENERGY MANAGEMENT SPECIALISTS



Energy Management Systems

ISO 50001 Compliant

1. Our management model was developed on the St James's site.
2. It is structured in its approach.
3. It delivers real and sustainable savings.
4. It empowers through providing relevant management information.



Energy Management Systems

Reference Sites – Installed and under installation

ABBOTT

Autolaunch

Carbery Food Ingredients

Dairygold Food Ingredients (4 Sites)

NUIG

NUIM

Masonite

Premier Periclase

Stauntons

▪



Public Sector

Energy Conservation Programme

1. ENPROVA support system / scheme installation
2. Projects are identified by Casey Technology through audit / EnMs Programme
3. Projects are funded through our funding model.



SME Resource Management Programme

NEW SERVICE

- Installation Supported through EI/ BIM programme.
- Seven stage system installation process.
- Resource management system installed which covers all aspects of the business.
- Three year programme developed with full training provided



SME Resource Management Programme

Sites under installation

1. SEERYYS Bakery
2. NDV
3. Ballon Meats
4. Carlow Arts Centre
5. Carlow Precast
6. Ballytherm Insulation
7. Dolmen Hotel



Funding Competitiveness

Options Available



The Real Prize

<i>Overall Target (Including alternative measures)</i>	
Annual Reduction Target (kWhrs)	1,102,000,000
Duration (Years)	7
Total	7,714,000,000
Cost per kWhr	€ 0.04
Permanent Cost Reduction Annually	€ 308, 000, 000



Government Sponsored Assistance Programmes

Enterprise Ireland (Green offer)

1. **Green Start Programme** 80% of a total spend €6250 (50% Grant Aid from July)
Casey Technology SME Programme
2. **Green Plus** - 50% of internal and external costs (limitations on internal)
Casey Technology ISO 50001
3. **Technical Feasibility Grant**



Government Sponsored Assistance Programmes

BORD Iascaigh Mhara (Green Seafood Business offer)

- 1. Green Start Programme** 80% of a total spend €6250 (50% Grant Aid from July)
Casey Technology SME Programme
- 2. Continued Support by BIM agents**



Financing Projects

Options Available



Hundreds of Millions Available Possibly 1 Billion

- SDCL – Energy efficiency fund – €100M
- SUSI - Energy efficiency investment €200M
- AIB
- European Energy Efficiency Fund - Deutsche Bank
- BOI

Current Barriers



1. Financiers are seeking to invest in €1m + projects
2. Contracts are expensive because the wrong parties are carrying risk and therefore have to overcharge
3. Prolonged measurement and reporting requirements again driving up price.
4. Contracts are incredibly complicated.



Alternative Strategy

- Separate technology from finance.
- Tender project with performance level specified and guaranteed by supplier
- Tender finance product with payment tied to estimated performance as evaluated by Casey Technology
- ENPROVA verify savings in accordance with IPMVP.
- Funder adjust payment period in line with verified savings



Summary

- The biggest gain is derived from savings which are to be sustained.
- You can expect to make the gains over a large number of projects.
- Make certain that you engage with partners who are prepared to, and have the capability of working with you in the long term.



Casey Technology

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Thank you