

Financing and Funding Opportunities for Greening your Business

– *Policy and Programmes*
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on behalf of SEAI

- Energy Efficiency Directive (SI 426)
 - Article 7 Energy Efficiency Obligations Scheme
 - Article 8 Energy Auditing
- SEAI programme supports
 - LIEN / Energy Agreements
 - IS399 – New Energy Efficient Design Standard
- Energy Awards

Energy Efficiency Directive

(Articles 7 and 8)

Energy Efficiency Obligation Scheme (EEOS) – Article 7

- The Directive imposes a legal obligation on Member States to achieve **new savings** each year from 1 January 2014 to 31 December 2020 of **1.5% of the annual energy sales to final customers** of all energy distributors and all retail energy sales companies by volume
- The savings are called ‘Credits’, targets are set for suppliers
 - Suppliers are **not limited to their own customers**
- **Suppliers are looking for projects** - €/kwh!!

Who is Obligated...and at what level?

- **550GWh** overall supplier target per annum; Sub-sectors:

	Sub Sectors			
	Non-residential	Residential	Energy Poverty	Total
Target Split	75%	20%	5%	100%
GWh	412.5	110	27.5	550GWh

- Eligibility threshold: Market Sales >600 GWh p/a
- **What do you want** in lieu for your energy saving credits?
 - Typical services:- Measurement and Verification (M&V), project management, metering, financial supports etc
- Supplier involvement must be **demonstrably material** to the energy savings

Energy Efficiency Directive – Article 8

- **Energy Audit Scheme (EAS)**
 - Non SME's must complete an energy audit by **5th December 2015**.
 - **250** or more employees (on payroll) , **or** an annual turnover > €50m **and** an annual balance sheet total > €43m
 - Obligation rests with the legal entity meeting criteria
- **Light touch** implementation – 2015 . . . **Derogations**
 - Greenhouse Gas Emissions Permit for that portion of energy use
 - ISO 50001 Certification valid on 5th Dec for **70%** of energy use
 - If well advanced toward 50001 (Gap Analysis etc. complete by Dec 15) – extension allowed to June 2016 for certification
 - ISO 14001 Certification, specific energy component covering **70% of energy use and energy audit** meeting the minimum requirement

Energy Efficiency Directive – Article 8

Registered Energy Auditor (REA)

- SI 426 requires SEAI *‘to register energy auditors under the energy audit scheme as qualified to carry out energy audits under the regulations’*
- Guiding principles being adopted:
 - Achieve appropriate balance between market access and credibility of Register of Energy Auditors
 - Independent objective assessment
 - **Minimum qualification** – relevant technical discipline (Level 7)
 - Relevant post qualification experience – **seven years**
 - Have an additional ‘title/registration’ - either robust assessment of **energy experience/competence** or this combined with examination

Energy Efficiency Directive – Article 8

- **Register of Energy Auditors**

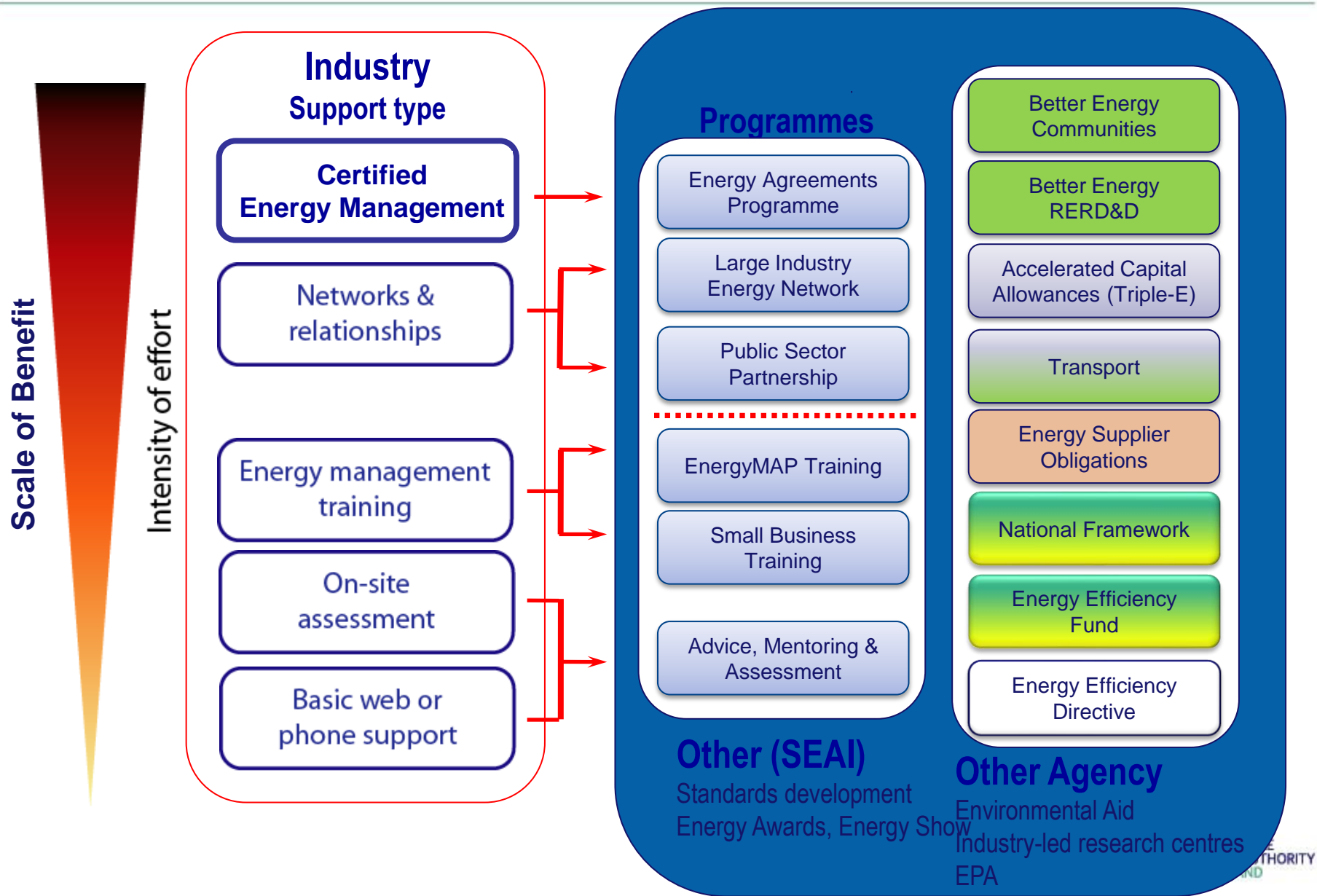
- Register to be established by (in) June
- Application process outlined by end May
 - Application form
 - Normal tax and insurance certificates
 - Degree / qualification certificates etc..
- Adherence to Code of Practice

- **Other**

- Strong guidance for enterprises – not all auditors will be appropriate in all circumstances - *'caveat emptor'*
- Internal personnel are eligible **IF** on the Register
 - Caveat of audit being signed off by two senior authorised signatories

SEAI Supports

SEAI Programme supports for business



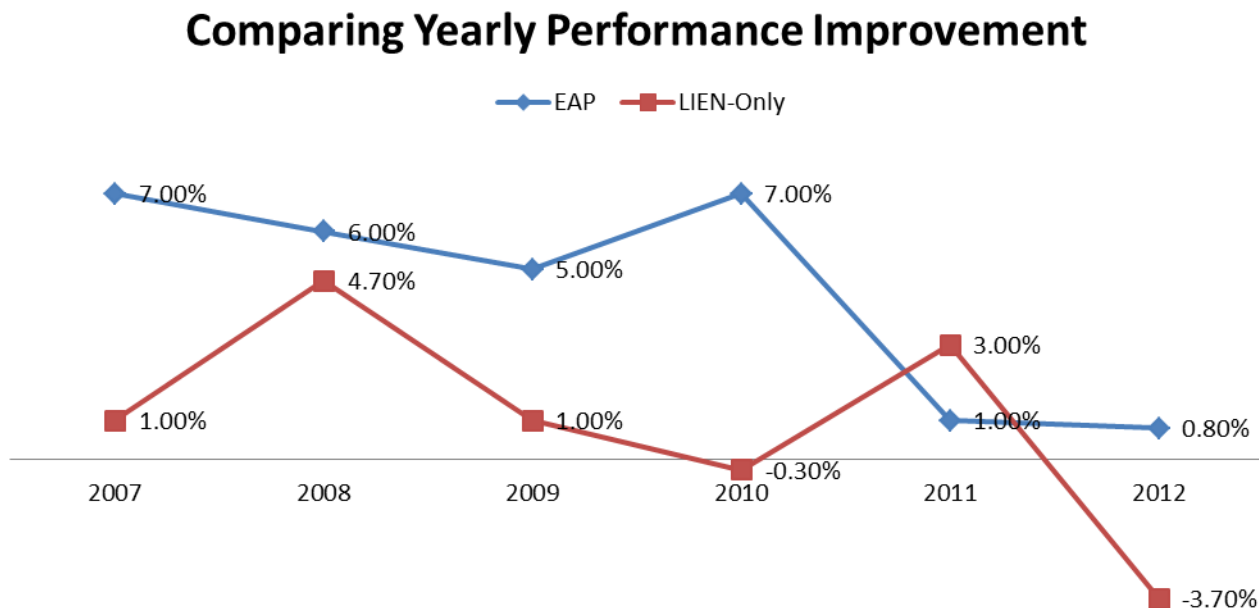
SME Supports

- **AMA**
 - Advice, Mentoring & Assistance
 - 2.5 days expert support
- **Results focussed**
 - No fee
 - Expectation to act and report savings (or not)
- **EnergyMAP training**
 - 3 days training over 3-6 months
 - Task and results focussed
- **Small Business Training**
 - 2-3 x ½ Day training

Large Industry Energy Network



Comparison of with/without an EnMS



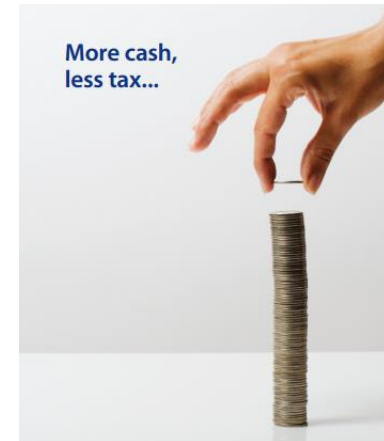
- EnMS outperforming
- Continuous improvement year-on-year

Accelerated Capital Allowances Scheme

- **ACA for energy technologies**

- Write-off 100% of eligible purchases against profit Yr 1
- It's a tax incentive (not a grant!)

- Use Triple E Register – 10 categories, 52 technologies and over 12,200 products
- You are also getting ongoing energy savings
- Public bodies must now only procure from Triple E
- Must be a company, paying corporation tax.



Standards - Guidance and Development (IS399)

Energy Management - Historical timeline

- Milestone developments / Body of Knowledge



Target area for Programme development 2015



Highlighting New Irish Management System Standard !!



Why we developed a new standard?



2008, 2010

Company	Project	Annual Impact
Eli Lilly	New Biotech facility	30%* <small>* 2007, SEAI Industrial Best Practice Initiative Case Study</small>
Wyeth	Pharmaceutical Development Centre	51%* <small>* 2007, SEAI Industrial Best Practice Initiative Case Study</small>
Astellas Ireland	Blister Packaging Line	19%* <small>* 2010, SEAI EED Methodology case study</small>
Nypro	New Cleanroom upgrade project	23%* <small>* 2011, SEAI 2010 LIEN Annual report</small>
Diageo	New Brewery	€2.5M* <small>* 2013, SEAI Energy Awards</small>

IS 399 - the Business case

- avoided energy consumption typically 20% to 30% (or more)
 - the standard requires **Design for Energy Performance** and **Design for Energy Management** processes
 - new **organisational responsibilities** and **structure** applied to qualifying design projects.
- energy management processes are structured throughout the full lifecycle of a project investment from conception through to retirement.

Application

- Relevant to all stakeholders
- Any sector, any organisation, any project



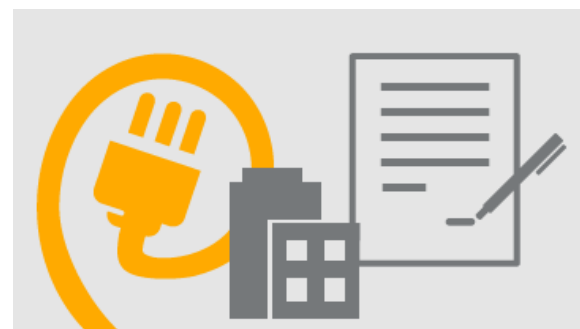
National Energy Services Framework

- Pay for performance

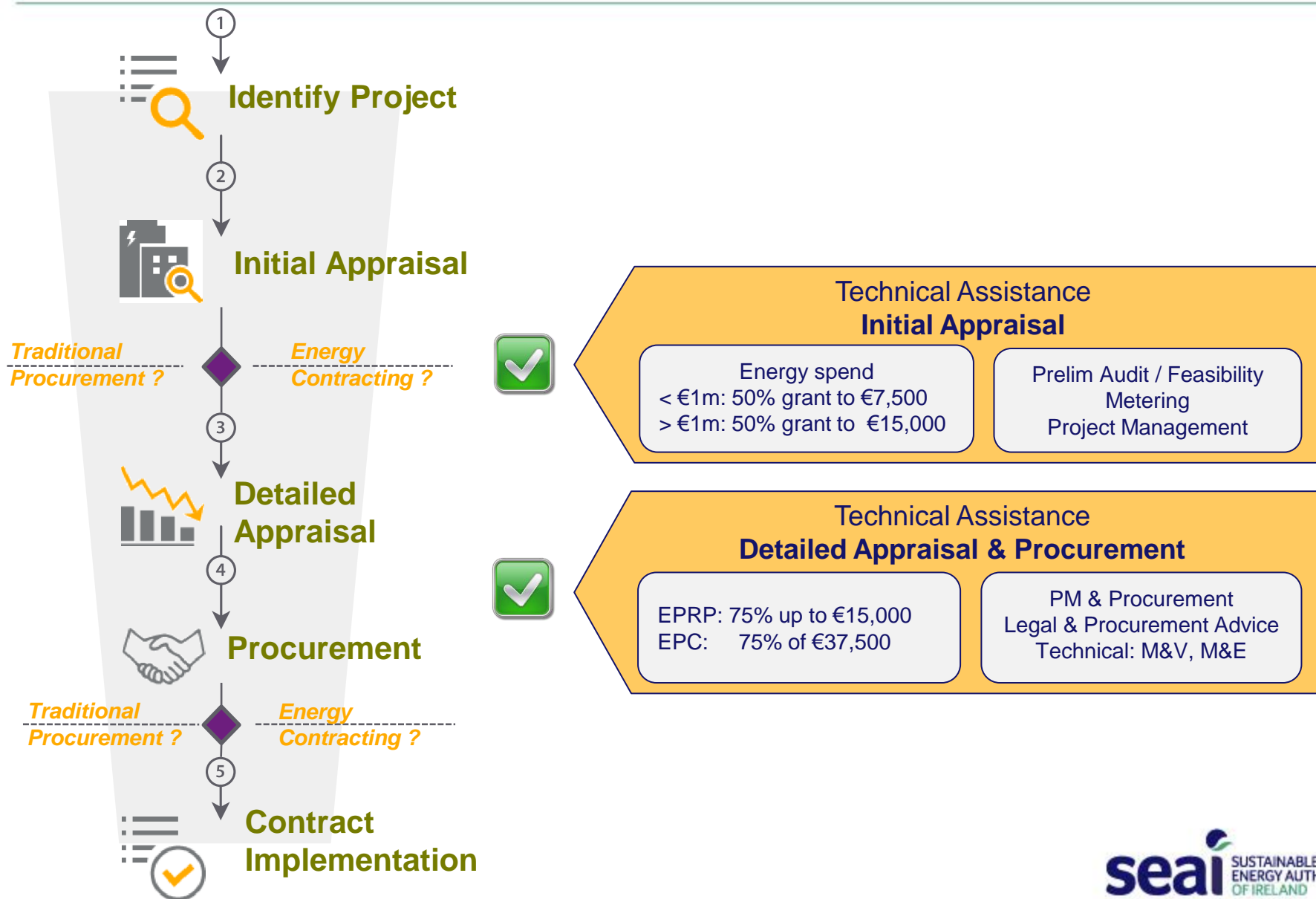
Energy Services Framework – 4 elements

CLIENTS WITH FINANCIALLY VIABLE PROJECT(S)	ESCO	Market development
	SEAI SUPPORTS	SEAI Business Programmes Exemplar Programme Technical Assistance
	HANDBOOKS/GUIDES	Energy Performance Contracts Energy Performance-Related Payments Local Energy Supply Contracts
	FINANCING	the Fund Investment Banks EIB

- Pay for Performance with Energy Contracting
 - Pay for light or heat, not for lamps / boilers
 - Part pay to guarantee promised energy savings



Technical Assistance for Project Delivery



Other opportunities

Sustainable Energy Awards 2015



**Sustainable
Energy Awards
2015**
BE PART OF IT

Online application form
Closing date **26th June 2015**

Sustainable Energy Awards 2015

- encourage, recognise and reward excellence
- publicly acknowledge achievement
- highlight the benefits of energy management
- promote widespread sustainable energy practices

SECTORS
Research Award
Community Award
Large Business Award
Public Sector Award
Small Industry & Business

THEMES
Innovation Award
Collaboration Award
Leadership Award

- SEAI supports
 - LIEN/Energy Agreements
 - IS399 Energy Efficient Design
 - ISO5000x Guides
 - AMA on-site support
 - EnergyMAP training
- Energy Audit Scheme
 - Art.8 Identify your opportunities by 5/12/15
- Funding
 - Article 7 – Credits
 - ACA – Tax allowance
 - NESF
 - Pay for performance
 - EPC
 - EPRP
 - Technical Assistance

THANK YOU 😊

Contact us at business@seai.ie or visit

http://www.seai.ie/your_business/

