



How National Policy, coupled with local energy actors, will support the energy transition'

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SEAI's Vision

Ireland's energy will be sustainable, secure, affordable and clean

1. Use Less - Energy Efficiency = most economical & immediate opportunities to reduce import dependence & emissions and bring social & economic benefits



2. Use Clean
Fully exploit all local renewable energy sources in a socially & environmentally sustainable way



3. Innovate - develop new technological, economic & social approaches to sustainable energy transition. SEAI mandate to lead & coordinate energy research & innovation, support policy evidence-base



THE NATIONAL CHALLENGE

Beyond 2020

Context Setting: EU 2030 Energy & Climate Framework

- **2030 climate and energy framework - 3 key EU targets for 2030:**

40% cut in Greenhouse Gas Emissions from 1990 levels
(Low carbon transition: 60% by 2040, 80-90% by 2050)

***27% 'final consumption' from renewable energy**

***27% improvement in energy efficiency vs 2007**



Member State 2030 targets currently being finalised

- **What happens if we miss binding targets?**
 - Monetary fines (compliance costs), potential reputational damage
 - Progressively harder to 'catch up',
 - Further damage to the climate

National Development Plan – Energy & Climate Headlines

€7.6Bn Exchequer funding (2018 to 2027)

Govt. expects this will lead to €14.2Bn private investment by 2027

€500M Climate Action Fund

Projects and initiatives that cut across transport, energy efficiency, renewable energy, research and agriculture.

- **Taxation; regulatory and behaviour change measures also critical**
- **Is it enough to ‘solve the problem’?**
 - **Not in isolation** – but a very important marker on Ireland's journey to a low carbon & climate resilient society

NDP: 2021-2030 national energy & climate targets (non-ETS)



Energy Efficiency

Energy efficient home upgrades: Increase from 25k to 45k annually by 2021; deeper measures; >BER B

Replacing oil boilers: change at least 170k homes to heat pumps (+ solar provision)

All public buildings and one-third commercial >BER B

>500k electric vehicles by 2030 & more charging infrastructure

Expand refuelling network for alternatively fuelled vehicles to address freight emissions

Major investments in public & sustainable transport public bus fleet, cycling & walking network

Sustainable Transport



Renewable Heat

Town-scale pilots of food/agri waste-to-gas facilities

Full roll out of Support Scheme for Renewable Heat

SEAI – SUPPORTING CHANGE

SEAI Public Sector and Business programme

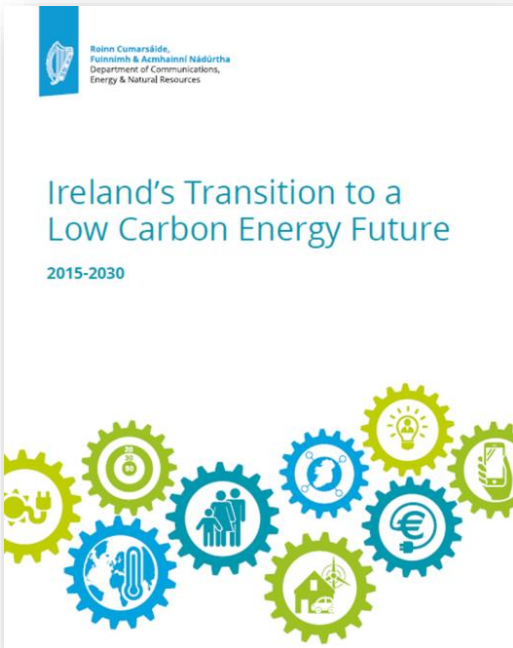
- **The REGIONAL and ORGANISATIONAL Champions**
 - Large Industry – LIEN (200, 140,000 employees, €1.2bn energy)
 - Public Sector - 320 bodies and 3750 schools } €0.53bn energy
 - Local Authorities – 31 }
- Through the SEAI programmes they manage the energy they **USE**
Right decisions, with right information, right skills ...
- However it is also about the energy they **INFLUENCE**

SEAI Residential Market Offerings

- **Better Energy Homes**
- **Warmer Homes**
- **Deep Retrofit Pilot Programme**
- **Community Energy Grants**
- **Solar PV Pilot Programme**
- **Building Energy Rating Certificate – extended advisory report**
- **Electric Vehicle Grants – Batteries and Home Chargers**

LOCAL ENGAGEMENT IS KEY

Ireland's Transition to a Low Carbon Energy Future



To engage and empower energy citizens



Sustainable Energy Communities

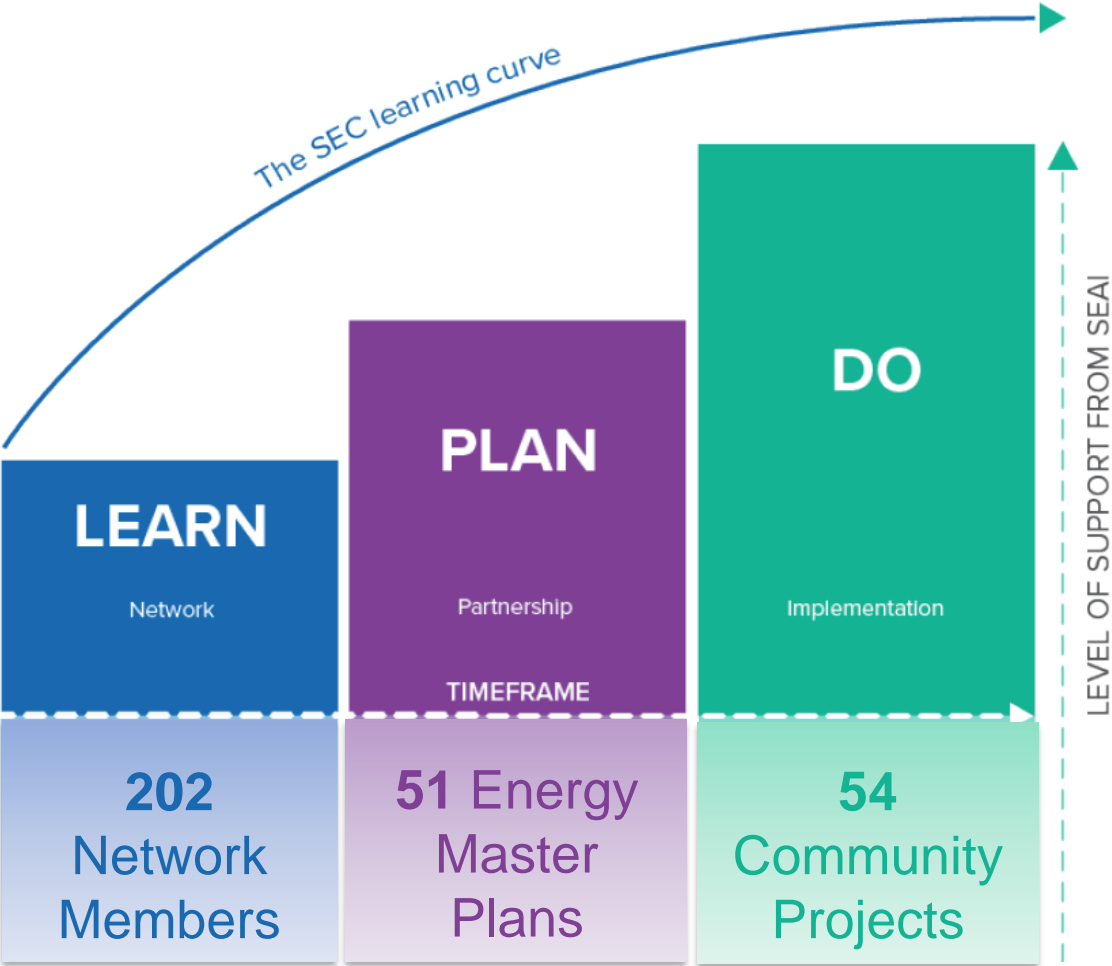
Home / Sustainable Solutions / Community Projects / SEC Map

Sustainable Energy Communities Map

Filter Sustainable Energy Communities by:

County: Interests:

Comharcumann Fuinnimh Oileáin Árrann Teo	Transition Kerry	Claremorris & western district energy co-op
Inisbofin CSP Ltd	St. Catherine's Cultural Centre	Lanesboro Tourism Co-Operative
Údarás na Gaeltachta	Galway Energy in Transition	Polecat Group Water Scheme
Terenure Energy Group	Forbairt Chonamara Lair Teo	Carrigaline Tidy Towns



The journey ahead – some key messages

- NDP commitments to energy & climate are a **significant step forward**
 - **“Is it enough?”** Not in isolation, but an important marker on the journey
- Achieving Ireland’s clean energy transition is a **monumental challenge** – SEAI, as Ireland’s national energy authority is there to drive and support
- Energy-climate is inherently cross-sectoral and integrated
 - **Leadership required – at all levels – all sectors**
 - **Bottom up as well as top down - must be collective effort**
 - **Must evolve – respond to change**
- **NEED LOCAL CHAMPIONS AND LOCAL ENGAGEMENT**



THANK YOU 😊

GO RAIBH MAITH AGAT

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