

# SEAI Grants for Farmers

## Smart Farming Seminar

Emer Burton  
April 2018





# Our Vision

Moving towards a **Low Carbon Energy Future.**

- Sustainable, secure, affordable, and clean energy.

We need to use **LESS** energy and **CLEAN** energy.

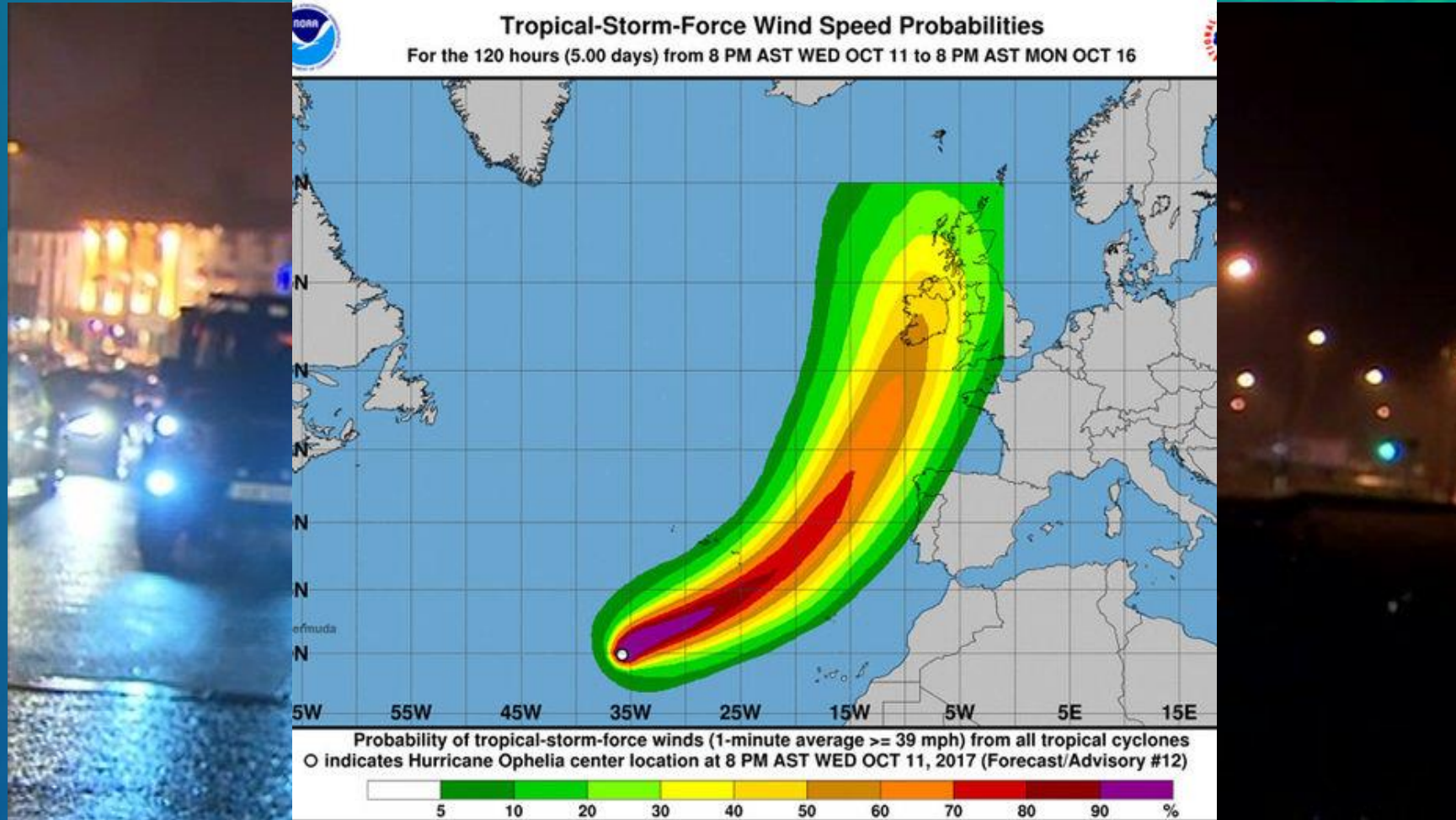
- Develop new solutions to meet our energy needs.

Leading the transition to **Smarter** and more **Sustainable** energy activities.





# Why?





# Energy Efficiency

## So what is energy efficiency about?

- Reducing the amount of energy needed to run the home, especially heating.
- More efficient ways of generating the energy needed.





# Heat Loss and Energy Use

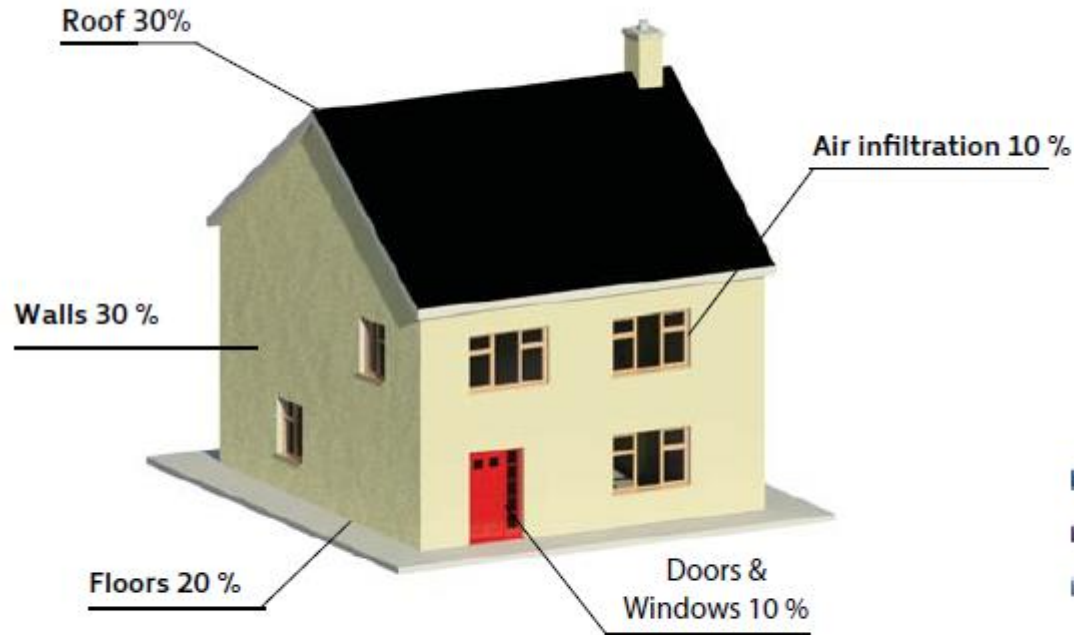


Figure 10 - Percentage heat loss through the fabric of a typical uninsulated dwelling

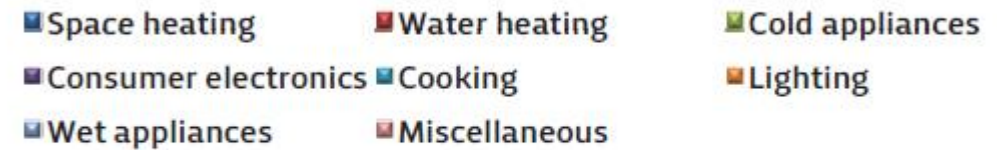


Figure 11 - Breakdown of overall energy use in a typical uninsulated dwelling



# Roof Insulation



# Grant opportunities for Farmers

- **Better Energy Homes**
  - Available to all property owners including landlords
- **Better Energy Warmer Homes / Warmth & Wellbeing**
  - Available to people in receipt of certain categories social welfare / Respiratory illnesses
- **Deep Retrofit Pilot Programme**
  - Pilot programme to upgrade pre-2006 homes to A3
- **Better Energy Communities**
  - Mix of domestic and non-domestic/commercial projects for energy efficiency upgrades
- **Electric Vehicles**
  - EV Home Charger Grant



# Grant opportunities for Farmers

- **Support Scheme Renewable Heat**
  - Available to farming businesses from mid 2018
- **Small & Medium Enterprises**
  - Available to SMEs – lighting and training grants
- **Dairy Farms Pilot Programme- SEAI/Teagasc**
  - For Variable Speed Technology, from mid 2018



# Better Energy Homes Programme

# Better Energy Homes

## MEASURES

- Attic insulation
- Wall insulation
  - External wall insulation aka “the wrap”
  - Cavity
  - Internal wall insulation aka dry lining
- Heating controls upgrade
- Heat Pump Systems (April 2018)
- Solar Thermal (hot water)
- Building Energy Rating (BER) grant
- Ventilation!





# Ch-ching!

Energy Efficiency Measures		Grant Value
Insulation	Attic	€300
	Wall - Cavity	€300
	Wall - Internal Dry Lining	
	Apartment (any) <u>or</u> Mid-terrace House	€1,200
	Semi-detached <u>or</u> End of Terrace	€1,800
	Detached House	€2,400
	Wall - External	
	Apartment (any) <u>or</u> Mid-terrace House	€2,750
	Semi-detached <u>or</u> End of Terrace	€4,500
	Detached House	€6,000
Heat Pump Systems	Air-to-water / Ground-to-water	€3,500
	Air-to-air	€600
Heating Controls		€700
Solar Thermal		€1,200
Bonus Grant	For 3 <sup>rd</sup> measure	€300
	For 4 <sup>th</sup> measure	€100
Building Energy Rating (BER)		€50



\*Grants available from April 2018 onwards.

\*All applicants must carry out a Building Energy Rating (BER) on completion of works. A BER grant is only payable once as part of a works grant.



# Home Energy Grants

Can help cut energy bills



Make your home warm & comfy



Do your bit for climate action



Increase the value of your home

# Cost savings

## Money in your pocket

- Average home energy costs €1850 per year
- Save €600 per year





# Better Energy Homes

## ELIGIBILITY CRITERIA

- **Insulation and Heating Controls** grants - available to all owners of homes built and occupied before 2006.
- **Heat Pump Systems and Solar Thermal** grants - available to all owners of homes built and occupied before 2011.
- You must not have received an SEAI grant previously for the same measure.
- Grants are **Not Means Tested**.
- **Apply** Online/Post



# Better Energy Homes – Energy Partners

- Apply through your **Energy Partner** – manage the application on your behalf.
- Team of dedicated Home Partners:
  - Airtricity Home Energy Services
  - Retrofit Energy Ireland Ltd
  - Kingspan HIS / Kingspan Energy
  - Accuflow
  - Actavo
  - Activ8
  - House2Home
- Grant is paid to the Energy Partner – who passes on the savings to you!



# Better Energy Homes – Grants/Costs

## Grants

### Detached House

Now: €4,500 = 35%, 21%, 15%

January 2018: €6,000 = 46%, 27%, 20%

### Semi-detached or End of Terrace

January 2018: €4,500 = 36%, 30%, 22%

## Costs

### Detached House

100m<sup>2</sup> €13,004

126m<sup>2</sup> €21,948

280m<sup>2</sup> €30,640

### Semi-detached or End of Terrace

Semi-d 95m<sup>2</sup> €11,993

Semi-d 125m<sup>2</sup> €14,368

Semi-d 160m<sup>2</sup> €19,448

# Better Energy Homes – Savings

- Typical energy costs for average home: €1850 per year
- Expected savings: 30% to 50%



# Warmer Homes Programme

# Warmer Homes

- Nationwide scheme in operation since 2001, over 130k homes treated.
- **Measures available:**
  - Cavity wall insulation
  - Attic insulation
  - Certain secondary measures such as draught proofing, energy efficient lighting, energy advice.
- Budget of €24million for 2018.
- Delivered through a panel of private contractors and community based groups.





# Warmer Homes

- **Who is it for:**

- Fuel Allowance
- One parent family payment
- Family income supplement
- Domiciliary care allowance
- Jobseekers allowance > 6 months & child under 7

- **Delivered Free of Charge**

- Must own and live in the home treated, which must have been built and occupied before 2006
- Must not have received works previously under the scheme



# Warmth & Wellbeing Pilot



# Warmth & Wellbeing

- 3 year pilot scheme started in 2016
- Targeting homeowners on certain benefits living with respiratory conditions
- Currently delivered in Dublin 8, 10, 12, 22, 24
- Delivered by SEAI, in collaboration with the HSE
- Target of 400 – 600 homes per year
- Deeper measures, including boilers, solid wall insulation and windows & doors
- If the pilot is successful, consideration will be given to expanding it nationwide.



# Deep Retrofit Pilot Programme



# Deep Retrofit Pilot

## WHAT IS DEEP RETROFIT?

Deep retrofit is the significant upgrade of a building toward nearly zero energy requirements where practically feasible and achievable.

### Guiding Principles

- Minimum A3 Building Energy Rating + uplift of 150 kWh/m<sup>2</sup>/yr
- Whole house solution which includes a fabric first philosophy
- Deployment of renewables technologies – fossil fuels are not funded
- Support comfort and health benefits, e.g. Indoor Air Quality

# Deep Retrofit Pilot

- Multi-annual Pilot Programme 2017 - 2019
- 2018 €5m Budget allocation
- Residential market only
- Minimum 5 homes



## GRANT SUPPORT

- 50% funding for Design, Capital and Project Management Costs, BER and Airtightness testing
- Can include 25% fuel-poor homes – 95% funding





# SEAI Deep Retrofit Pilot – Savings

- Detached Homes
  - Pre Works BER: G
  - Post Works BER: A3
  - Savings per home 56,405 kWh = 89% saving x 6.65 cent = €3,750



# Better Energy Communities



# Better Energy Communities

Assisting energy efficiency community projects through capital funding, partnerships, and technical support.

## Who is eligible:

- Partnerships, competitive process

## What is it for:

- Community wide, fabric first,

## What is the budget allocation:

- €28M this year

## How to apply:

- Open call, once a year, closed for 2018



# Support Scheme Renewable Heat



# Support Scheme Renewable Heat

Coming soon – mid 2018

## Who is it for:

Agriculture, commercial, public service, industrial & district heating – but not single domestic)

## Requirements:

Energy efficiency first

Measured & metered at point of use

Quality standards for installation, air, sustain.

Grant for heat pumps, OR

ongoing (15 year) tariff payment for useful & eligible heat for AD/biogas or biomass





# Electric Vehicles Scheme

# Electric Vehicles

## What is it for:

- New Battery Electric Vehicles (BEV)
- Plugin Hybrid Electric Vehicles (PHEV)

## Who is eligible:

- Commercial and private purchasers

## How much is the grant:

- Depends on cost of the car (Max €5,000)

**How to apply:** Your car dealer will apply for you



# Electric Vehicles

## ELECTRIC VEHICLE HOME CHARGER GRANT

### Who is eligible:

- Private Owner of eligible new or 2nd hand EV

### What is it for:

- EV charger in off street parking location

### How much is the grant:

- Up to €600

**How to apply:** online or Your car dealer may apply for you





# Small Medium Enterprises

## - Lighting Grant Scheme

# SME – Lighting Grant

Lighting is a significant cost for many SMEs, and is the second highest cost for many businesses after staff costs.

## WHO CAN APPLY

- SMEs, located in the Republic of Ireland, with less than 250 employees. All sectors are eligible to apply.
- Applications can be submitted by either Individual SMEs or Group applications.
- Deadline for applications is 31<sup>st</sup> May 2018.



# SME – Lighting Grant

## GRANT SUPPORT

- 30% of eligible approved cost for a standard like-for-like replacement upgrade in a single facility application.
- 35% of eligible approved costs where:
  - a facility is included in a grouped application.
  - incorporates smart metering.
  - involves lux measurements with a photometric design.

**Goal is to deliver the optimum lighting solution in terms of lighting and controls upgrades.**



# SME Free Training Courses

## SMALL BUSINESS TRAINING COURSE

- Suitable for: SMEs < €250k annual energy spend
- Duration: 3 half day workshops
- Delivery by: SEAI
- Difficulty level: Beginner Introductory Courses
- Further Information at [business@seai.ie](mailto:business@seai.ie)

# Dairy Farms Pilot 2017/2018

## Grants for Variable Speed Technology – Results 2017

- 1.50% to 70% savings on electricity for vacuum pumping
- 2. Actual costs savings depends on
  - a) size of herd, b) number of cows c) length of milking time,
- Payback of 5 years to 15 years and with grant could be half for a complete system replacement
- Cannot justify system replacement on energy savings alone for small farm but if need to replace anyway then go for it with grant.
- Surprise advantage: noise reduction



## 2018 Pilot

- Grants: €1000/€3,000/€4,500 = 50% (single or three-phase)
- Available from May 2018



Over **370,000 homeowners** have already received Home Energy Grants from SEAI. By upgrading your home, you are making it warmer and more cosy and you are reducing your heating bill by up to 50%.  
You are also doing your bit to prevent climate change.

**Thank you!**

