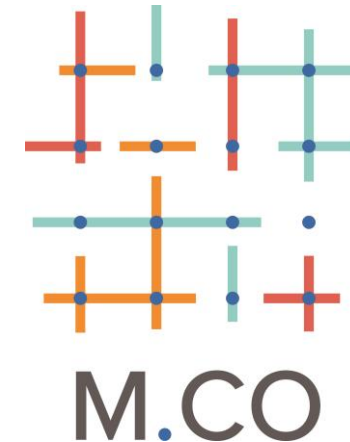


DCU Sustainable Energy Community



Sustainable Energy Community (SEC)
27 November 2019

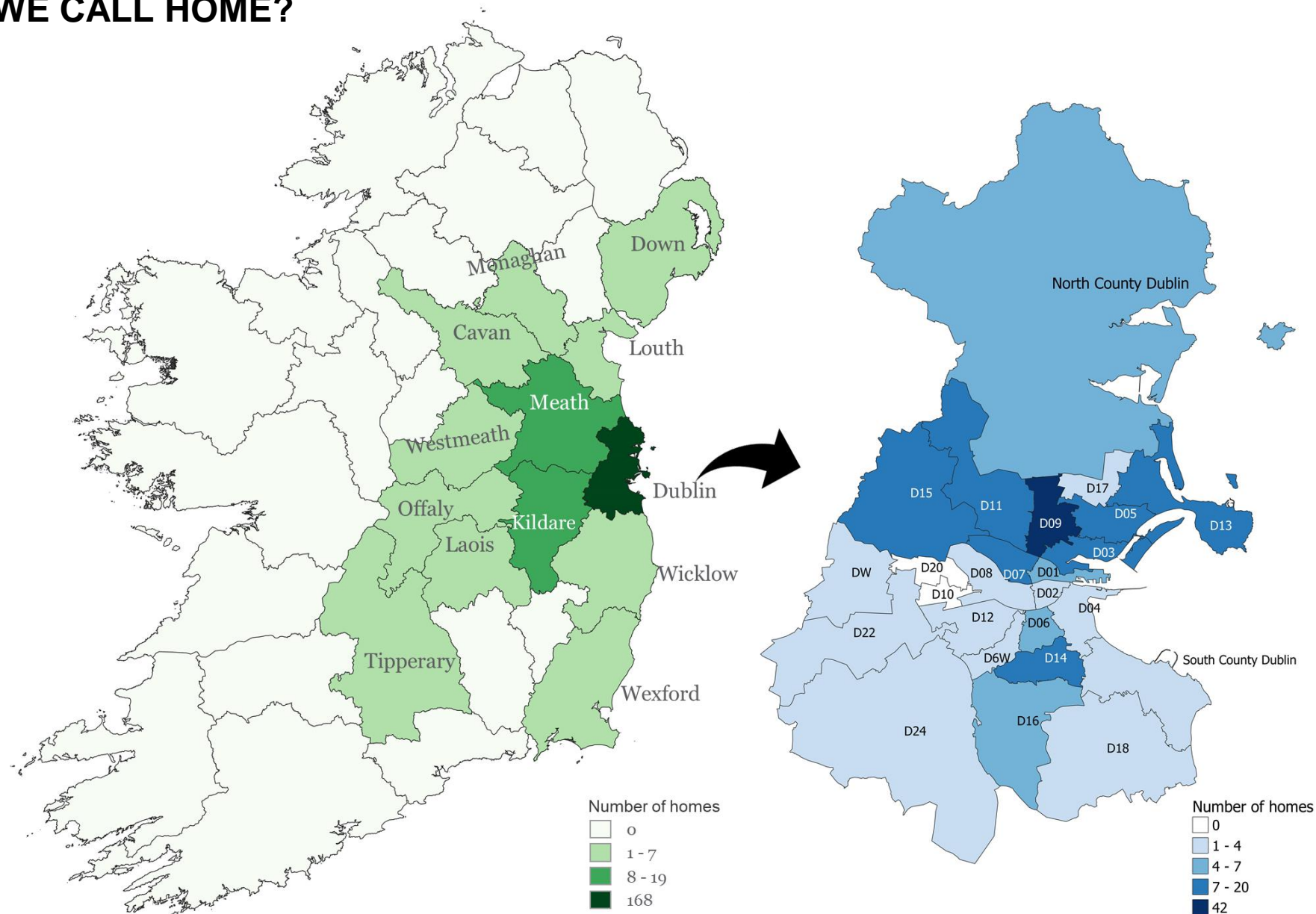
Agenda

1. Welcome & Review
 2. Energy Audit Reports
 3. SEC Supports
 4. SEAI Grant
 5. Next steps
- Questions

Overarching plan for SEC

- Series of workshop (3) to support identification, completion and submission of grant application to SEAI to support energy efficiency measures in homes
- Pilot on DCU Community
- Expand to local community surrounding the DCU campuses

WHERE DO WE CALL HOME?



THE TYPE OF HOUSES WE LIVE IN ...

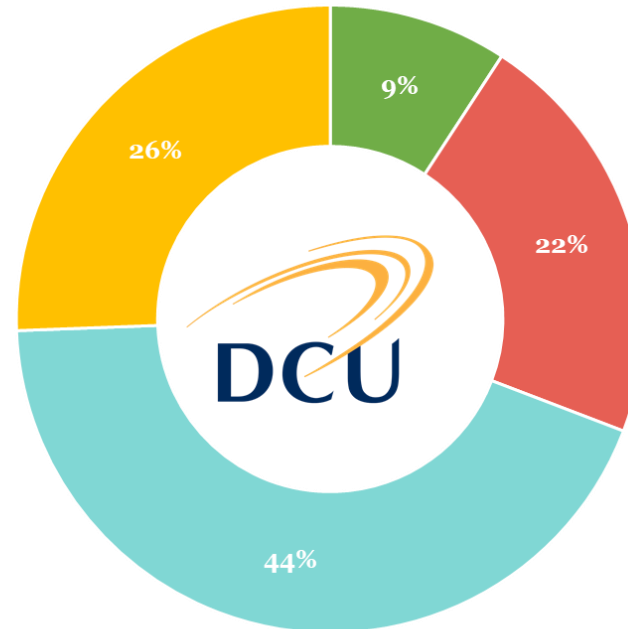


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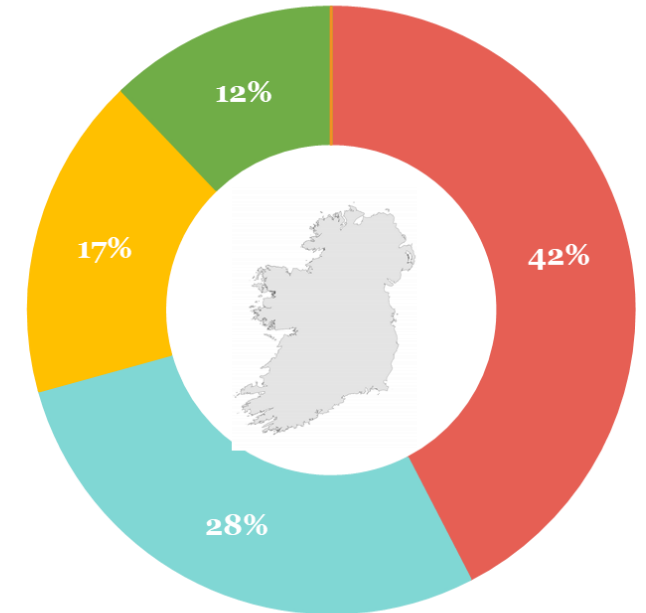
More of the DCU Community live in **terraced** and **semi-detached** houses compared to the national average.

The type of house we live in is important when considering the best upgrades for your home.

DCU SEC House Type Profile



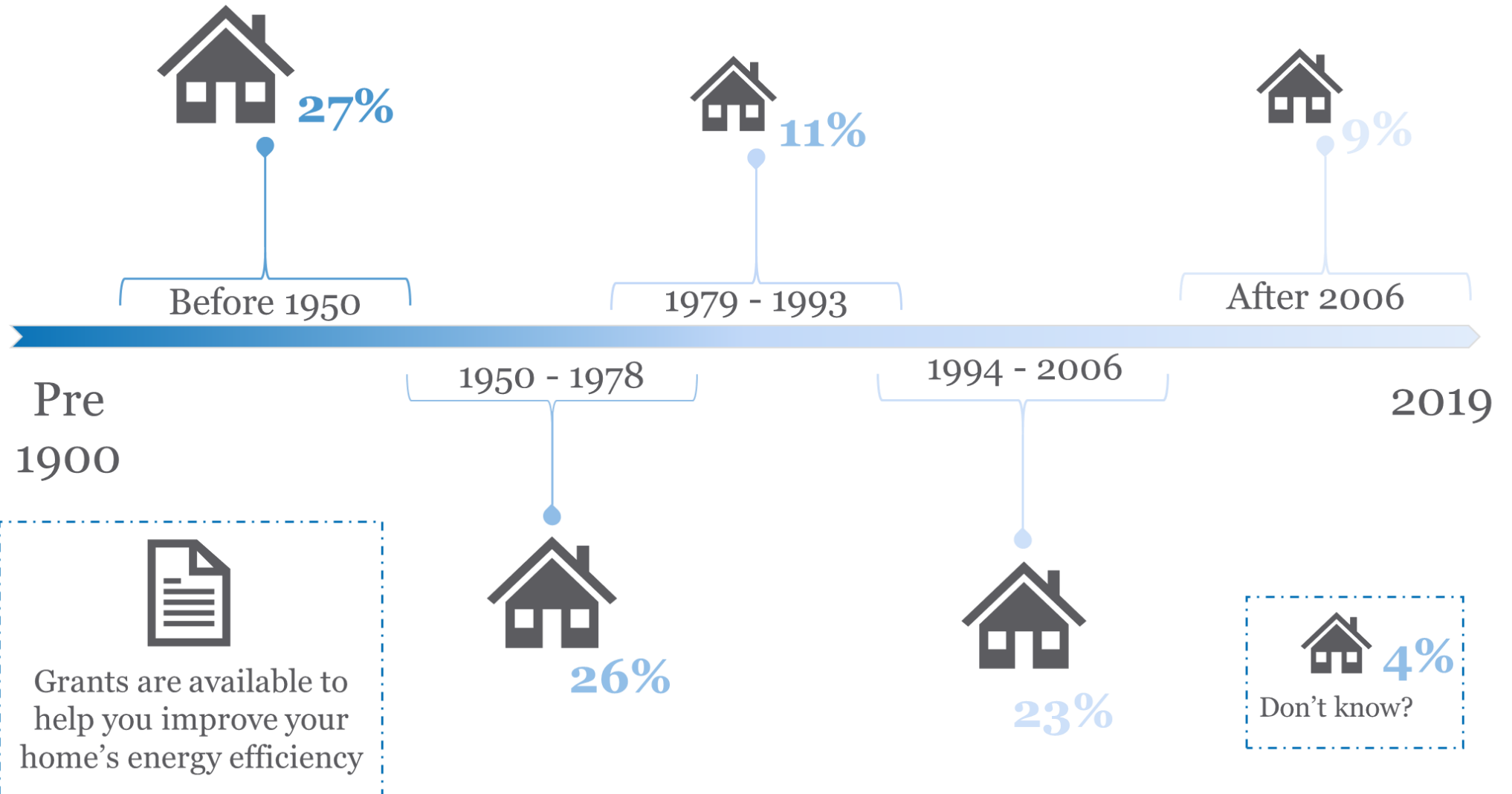
National House Type Profile



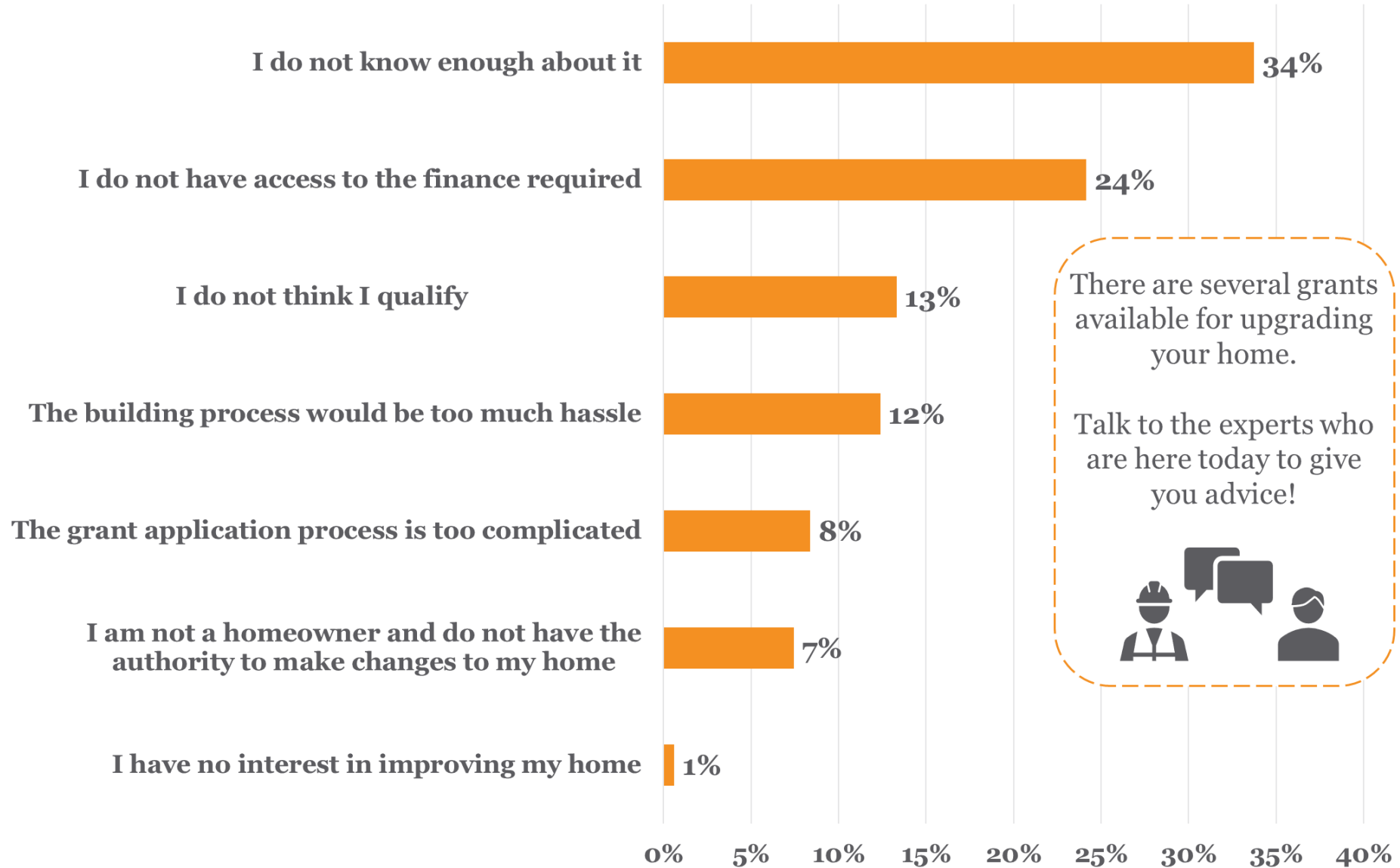
■ Detached house ■ Semi-detached house ■ Terraced house ■ Flat or apartment ■ Bungalow

WHEN WAS YOUR **HOME** BUILT?

How old your house is can affect which upgrade measures are best for improving your home's energy efficiency.



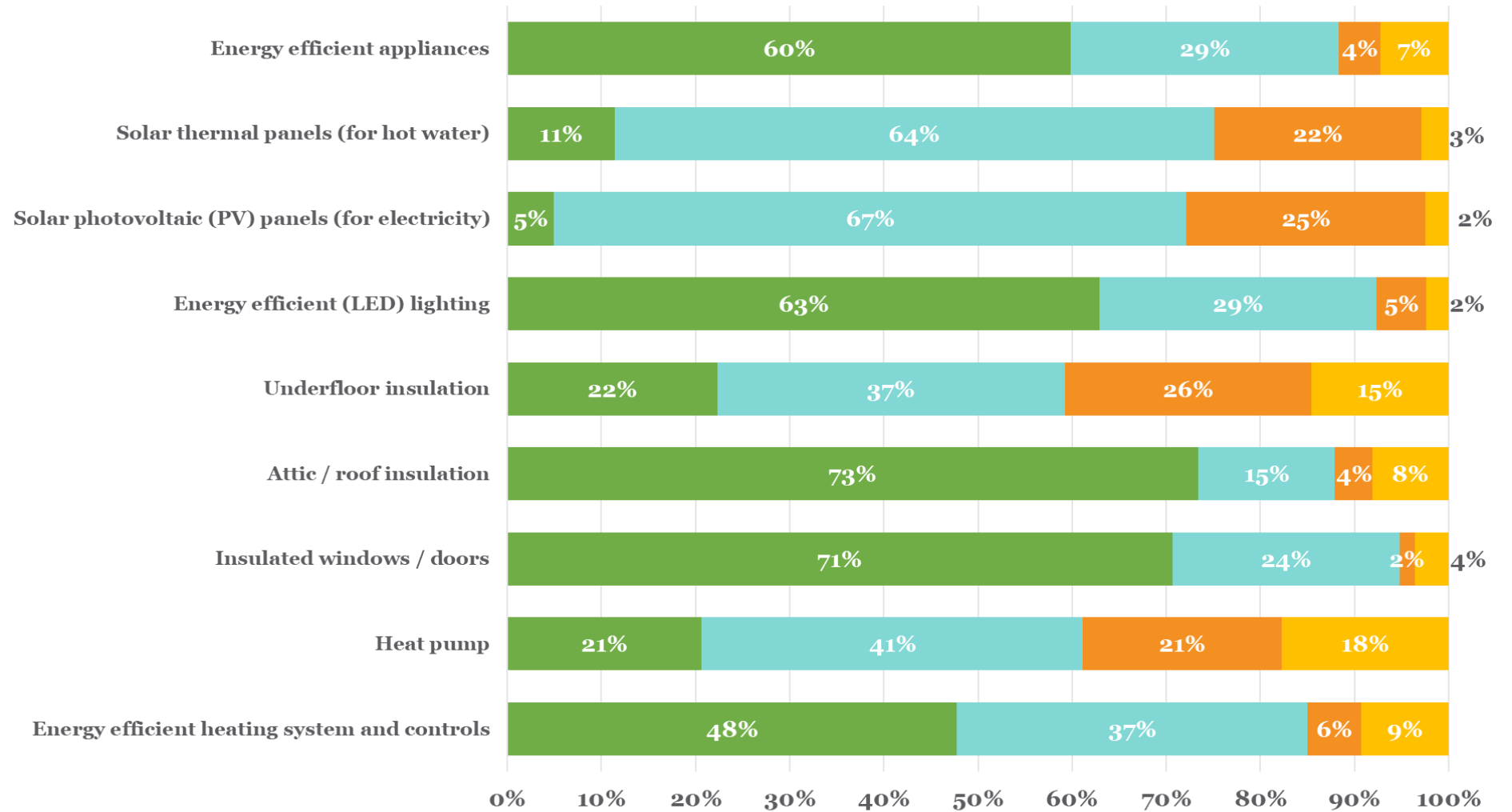
WHAT HAS STOPPED YOU FROM APPLYING FOR A GRANT



ARE ANY OF THE FOLLOW ENERGY EFFICIENCY MEASURES IN YOUR HOME?



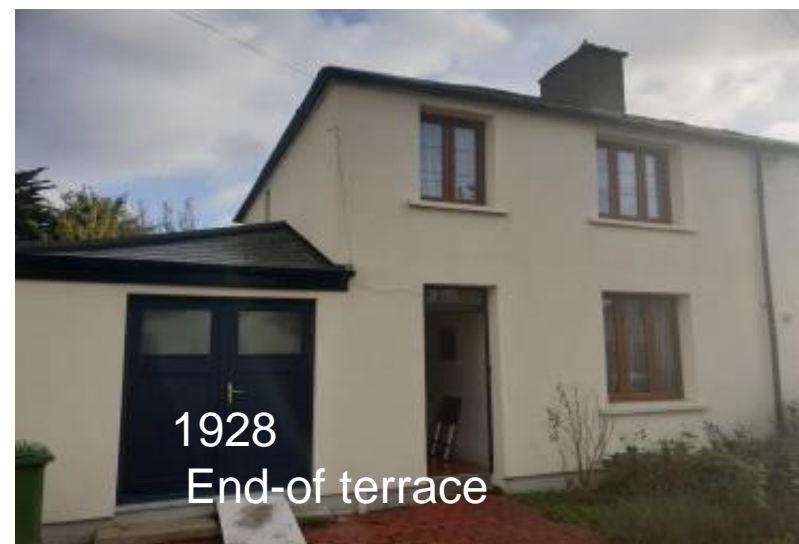
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Energy Audits



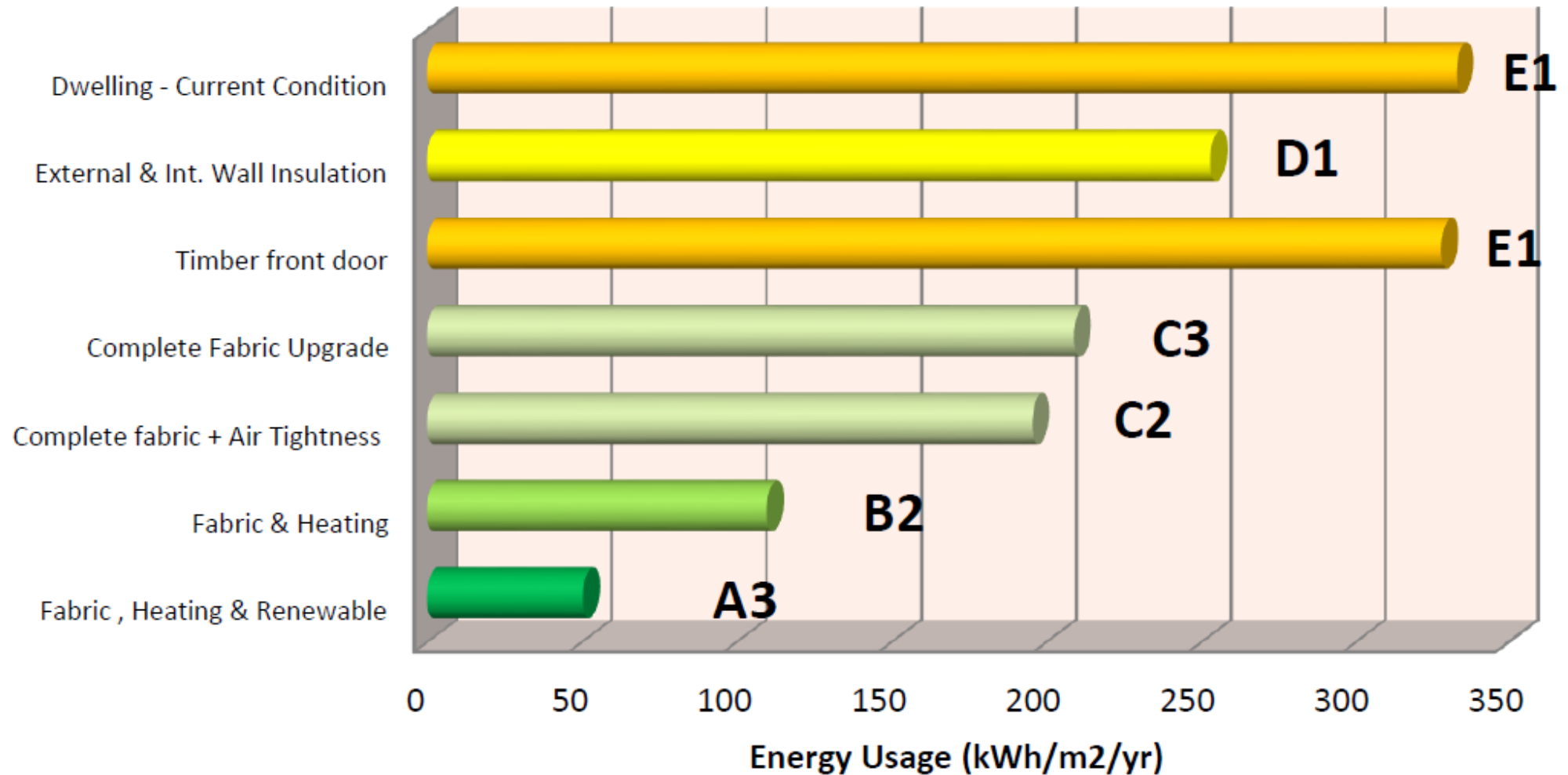


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1910
Mid-terrace house

Average BER Rating

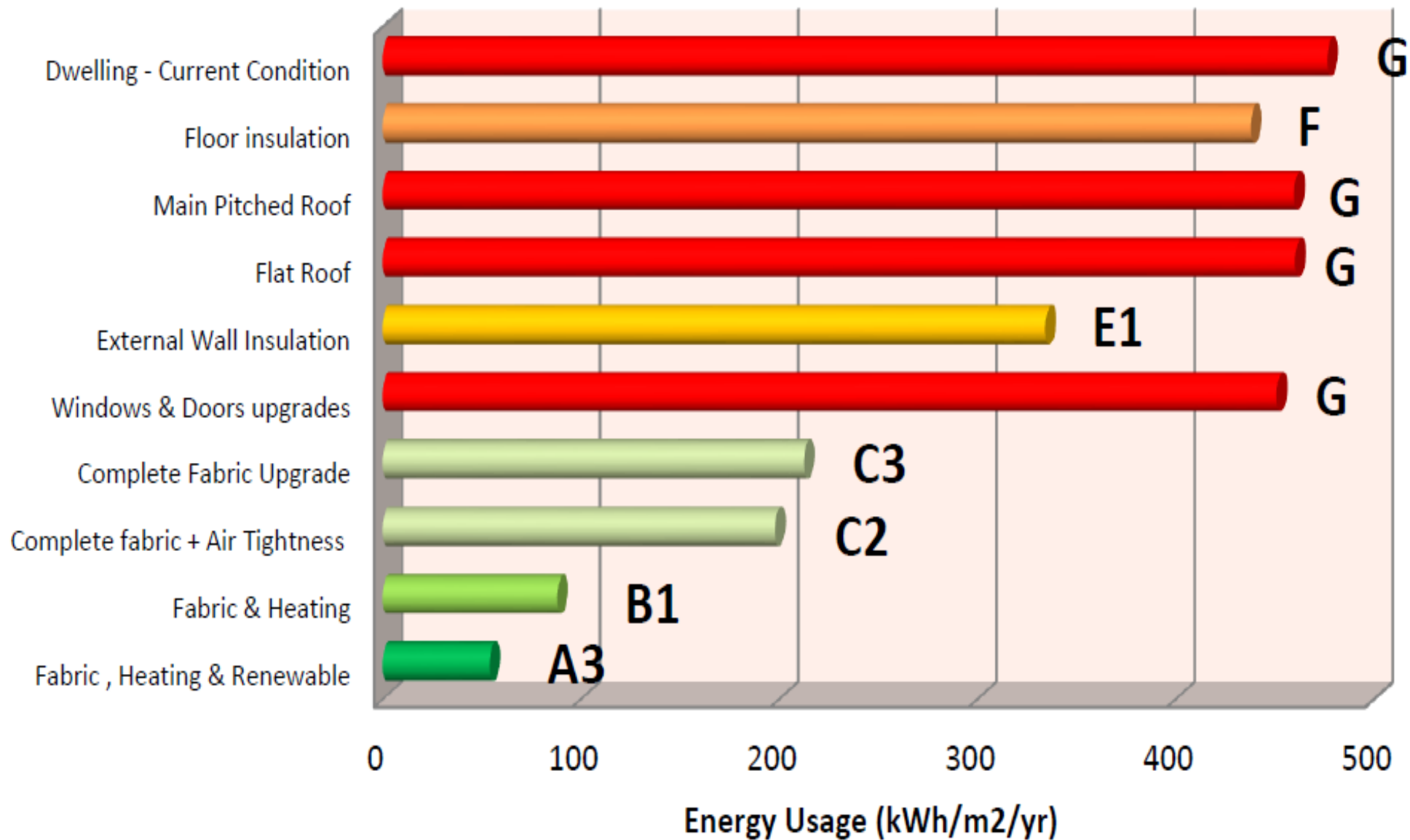




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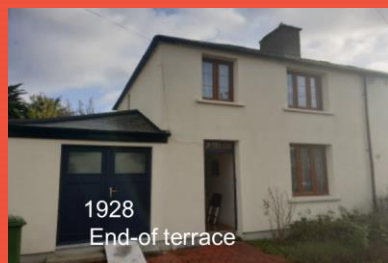


Average BER Rating

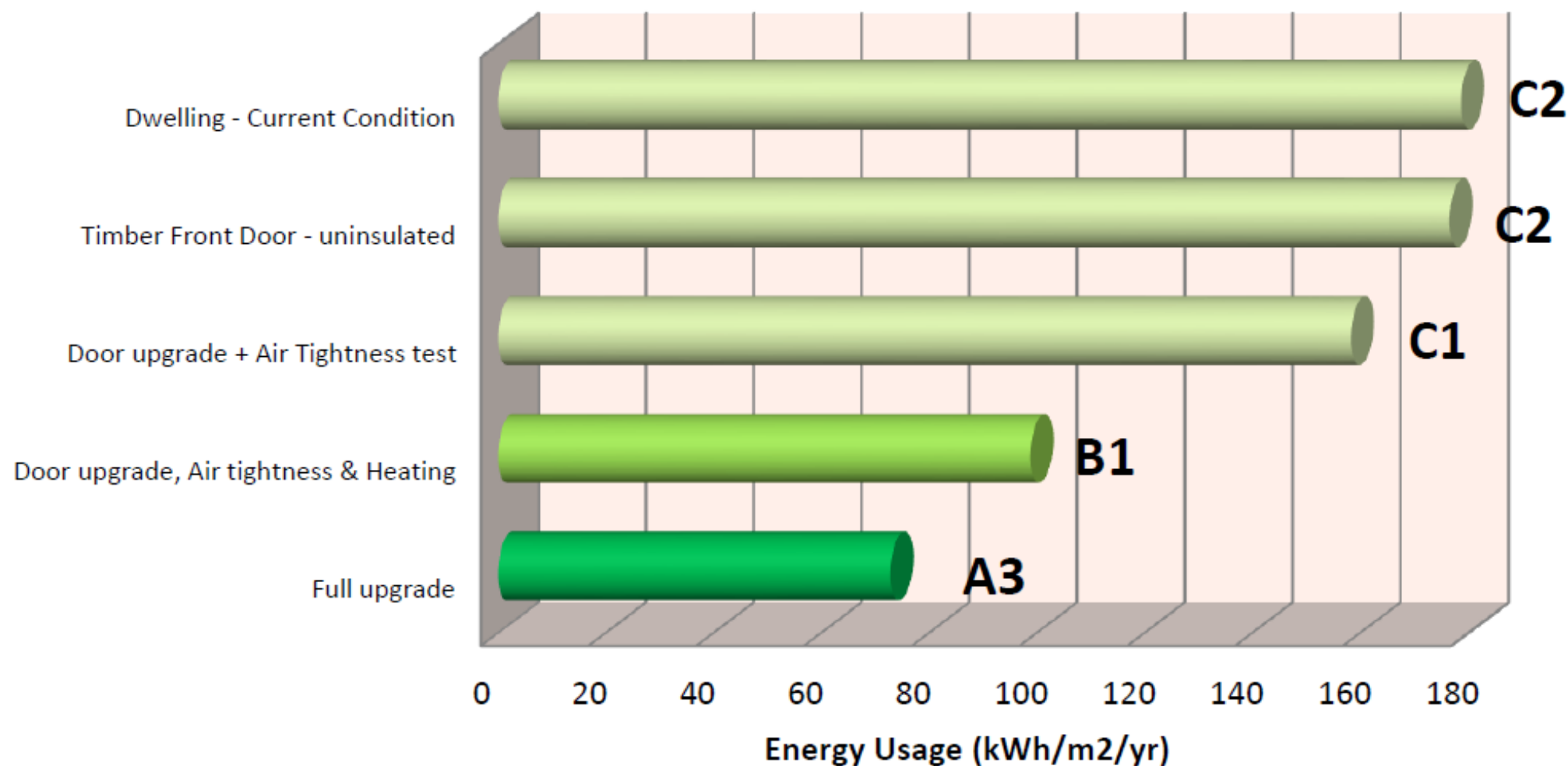




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Average BER Rating





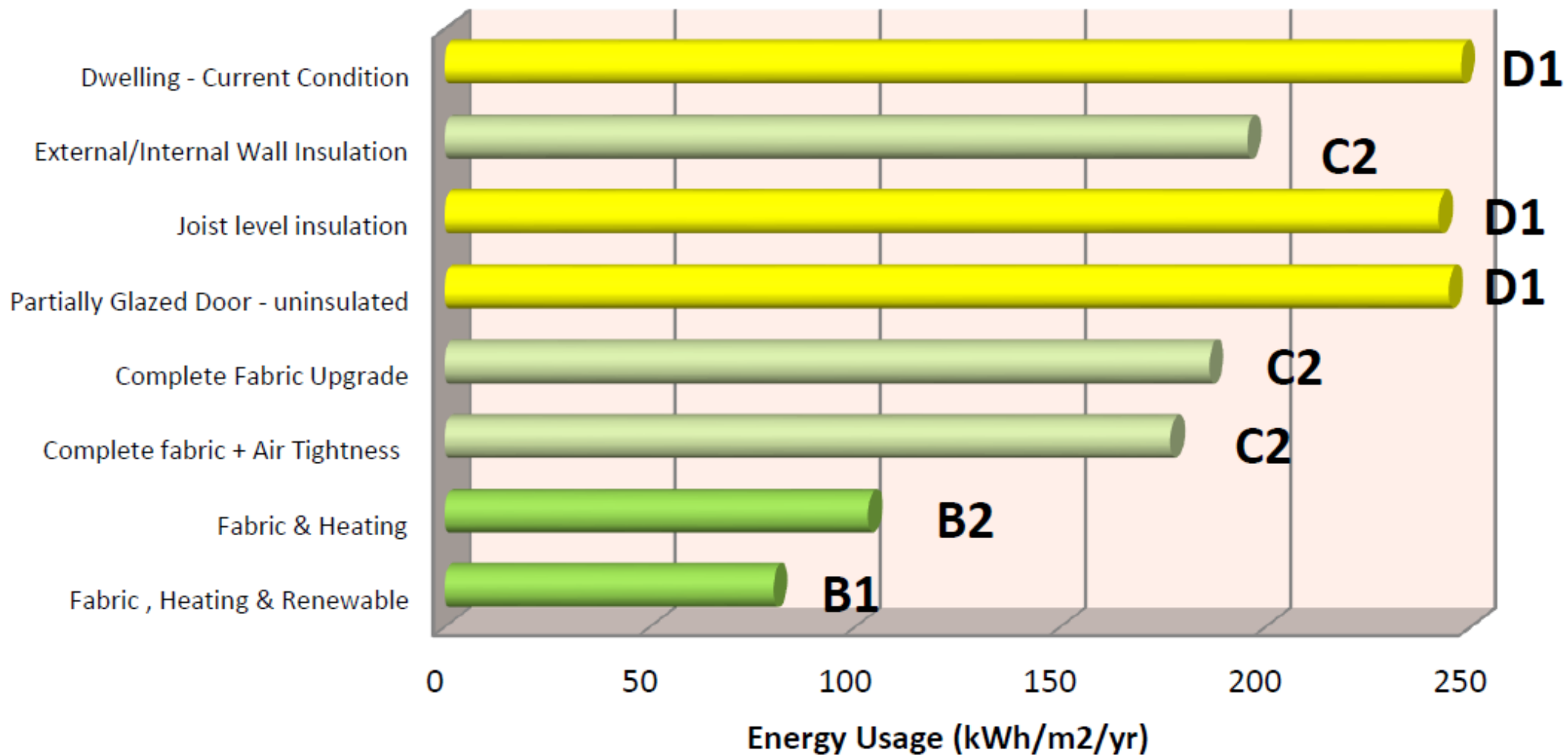
DCU

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1930s
Semi-Detached

Average BER Rating



SEC Supports: Energy Audits

— This is a sample list of companies that undertake energy audits



Codex Energy Dublin 11 +353 (1) 8665151 www.codexenergy.ie



XD Consulting Co. Cork +353 (0)86 0476124 <https://xdconsulting.eu/>



IHER Dublin 3 (01) 454 8300 <http://iher.ie/>

Energy Partners

Who is an Energy Partner

An Energy Partner is a contractor who is both registered to carry out works under the Home Energy Grants programme and authorised by SEAI to submit grant applications on behalf of homeowners.

Why apply through an Energy Partner?

The benefit of applying for a grant through a registered Energy Partner is that they will manage the grant application process and submission of all grant related paperwork on your behalf.

The grant is paid directly to the Energy Partner, who in turn passes on the grant savings in the form of a discount to you on the cost of works being carried out by them.



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Energy Partner	Telephone
<u>Accuflow</u>	0818 222 926
<u>Actavo</u>	01 464 8885
<u>Activ8</u>	042 969 0352
<u>Airtricity Home Energy Services</u>	1850 818 170
<u>House2Home</u>	1800 282 282
<u>Kingspan</u>	042 975 4262
<u>Retrofit Ireland</u>	01 801 0140

Credit Unions/Building Society/Banks

Green Home Improvement Loans

Typical Features:

- Amounts from €1,000 – €65,000 (depending on bank/BS)
- Loan terms from 1 to 10 years depending on amt
- Flexible repayment options
- No need to hold any savings against your loan in most cases !
- Work being undertaken must include one of the below to qualify for Green home improvement loan:
 - Renewable Energy Upgrade (e.g. solar panels)
 - Attic/Floor/Wall Insulation
 - Pipe Insulation
 - Sustainable water/heating systems
 - Boiler Upgrade
 - Installation of energy efficient controls in the home
 - Door/Window Replacement
- Proof of work being undertaken will be required.
- Check with your local **Credit Unions/Building Society/Banks** for full details



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SEAI Home energy grants

DCU Wednesday 27th November, 2019

- **Warmer Homes Scheme**

- free energy efficiency upgrades for low income households

- **Better Energy Homes Scheme**

- All homeowners, including landlords, homes built & occupied before 2006

- **Warmth and Wellbeing Pilot Scheme (Dublin Only)**

- aims to improve living conditions of people living with chronic respiratory conditions

- **Community Grant Programme**

- community energy efficiency projects

- **Electric Vehicle Grant + Home Charger Grant**

- electric vehicle grants make it more affordable to switch to an EV

- **Solar PhotoVoltaic (PV) Grant**



Warmer Homes Scheme

Who is it for:

- Fuel Allowance as part of the National Fuel Scheme.
- Job Seekers Allowance for over six months and have a child under seven years of age
- Working Family Payment
- One-Parent Family Payment
- Domiciliary Care Allowance
- Carers Allowance and live with the person you are caring for

Delivered Free of Charge

Must own and live in the home treated, which must have been built and occupied before 2006

What is offered:

- Attic insulation
- Wall insulation
- Lagging jackets & Energy advice
- Draught proofing
- Low energy light bulbs
- Windows*
- Heating upgrade*

**Subject to survey*

How to apply:

Website <https://www.seai.ie/grants/home-energy-grants/free-upgrades-for-eligible-homes/>

or Freephone [1800 250 204](tel:1800250204)



Better Energy Homes

Who is it for:

- All homes built before 2006

What is offered:

- Insulation: attic insulation & wall insulation
(*cavity fill, internal dry lining, external*)
- Heating: controls upgrade, heat pumps, solar hot water

How to apply:

Apply online <https://www.seai.ie/grants/home-grants/better-energy-homes/>

or call **01 808 2100**



Measures	Energy Efficient Measures	Grant
Insulation	Attic insulation	€400
	Cavity wall insulation	€400
	Internal Insulation (Dry Lining)	
	Apartment (any) OR Mid-terrace House	€1,600
	Semi-detached OR End of Terrace	€2,200
	Detached House	€2,400
	External Wall Insulation ('The Wrap')	
	Apartment (any) OR Mid-terrace House	€2,750
	Semi-detached OR End of Terrace	€4,500
	Detached House	€6,000
Heating System	Heating Controls Upgrade	€700
	Air/Ground to Water system	€3,500
	Air to Air system	€600
Solar Thermal	Solar Thermal	€1,200
Building Energy Rating (BER)		€50



Warmth and Wellbeing Pilot Scheme

It aims to provide free, extensive energy efficiency upgrades to eligible homes making the home warmer and cosier to live in benefitting your overall health and wellbeing.

Who is it for:

- Reside in Dublin 8, 10, 12, 22, 24
- Referral by HSE official
- Chronic respiratory disease
- Aged 0-12 years or > 55 years
- Fuel allowance
- One parent family payment
- Owner occupied or rented from local authority / approved housing association

What is offered:

- Attic - insulation and ventilation
- Walls – insulation and ventilation
- Boiler – replacement, including heating controls
- Windows and doors – replacement where inefficient

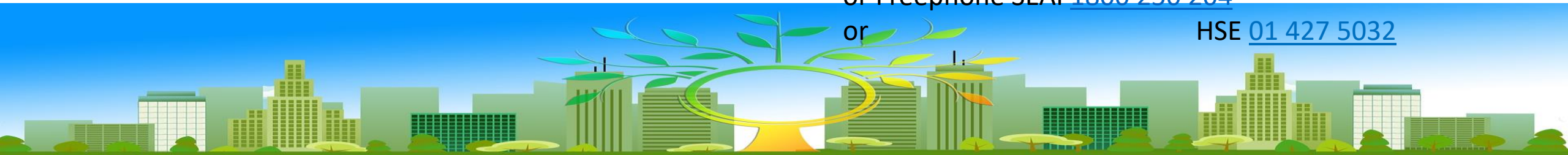
How to apply:

Website <https://www.seai.ie/grants/home-energy-grants/free-upgrades-for-eligible-homes/warmth-and-wellbeing/>

or Freephone SEAI [1800 250 204](tel:1800250204)

or

HSE [01 427 5032](tel:014275032)

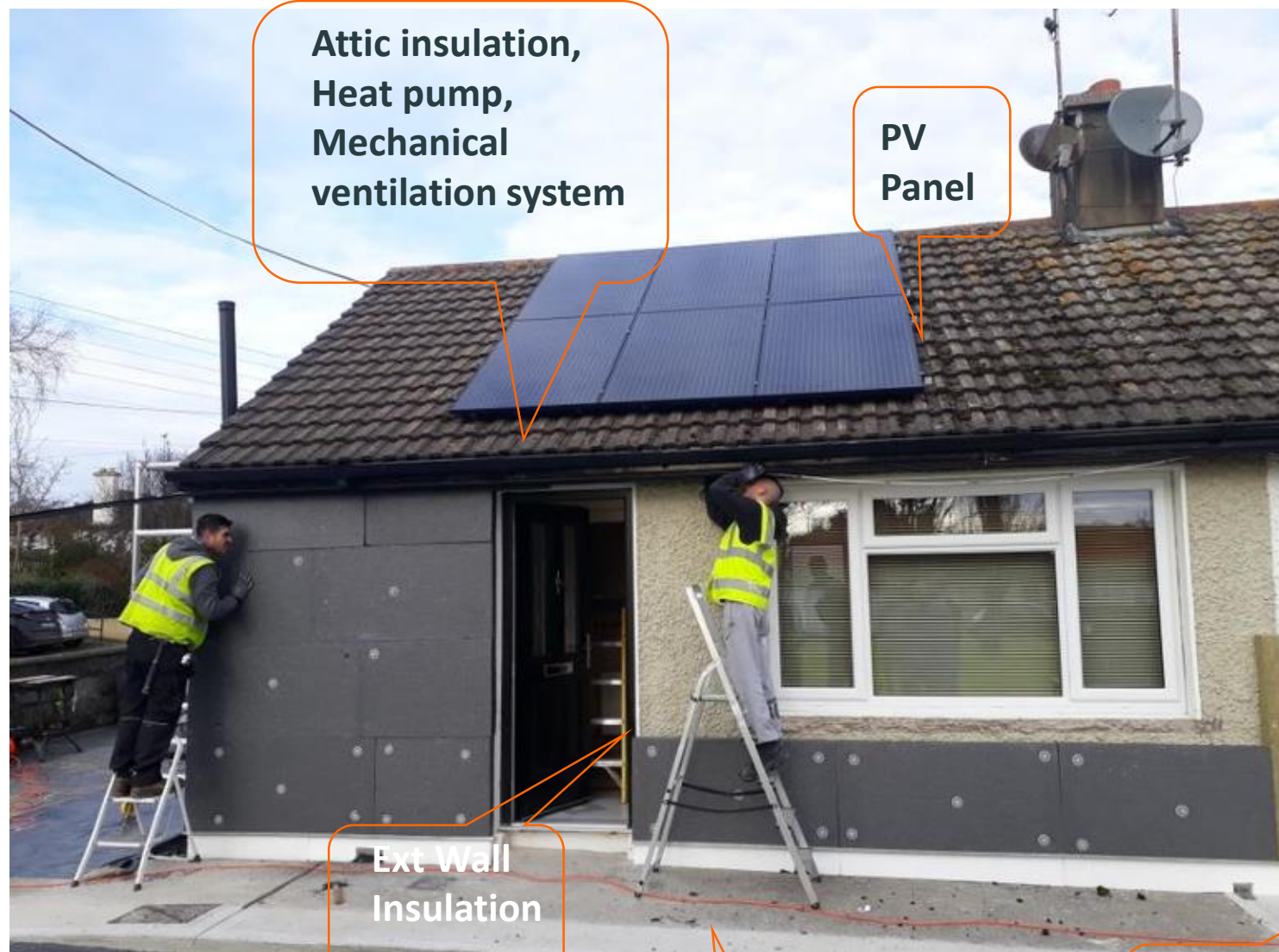


Communities Grant Programme

- **Who is eligible:**
- Partnerships, competitive process
- **What is it for:**
- Community wide, fabric first, multiple measures per home
- **How much is the grant:**
- First come first served – up to 50% funding available
- **How to apply:**

<https://www.seai.ie/grants/community-grants/>





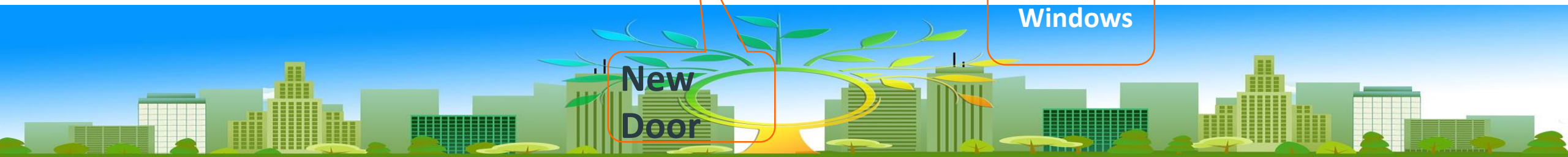
Attic insulation,
Heat pump,
Mechanical
ventilation system

PV
Panel

Ext Wall
Insulation

Windows

New
Door



Electric Vehicle Grants

EV Grant

Who is eligible:

- Commercial and private purchasers

What is it for:

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

How much is the grant:

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

How to apply:

- Your car dealer will apply for you

<https://www.seai.ie/grants/electric-vehicle-grants/>

EV 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

<https://www.seai.ie/grants/electric-vehicle-grants/electric-vehicle-home-charger-grant/>



Solar PhotoVoltaic (PV) Grant

Who is it for:

- All homes built and occupied before 2011

What is offered:

- Solar PV Systems €700/kWp (up to max 4kWp)
- Battery Storage* €1,000

*Required for any install over 2kWp

How to apply:

Apply online <https://www.seai.ie/grants/home-grants/solar-pv/>

or call **01 808 2100**



Which grant is for me ?

33% Walls

18% windows

3% doors

12%
Ventilation &
Draughts

8% floors

BER
Rating

A	€380
B	€800
C	€1,300
D	€1,850
E	€2,450
F	€3,200
G	€4,000

Annual fuel costs of an
average house per year



What's best for your home?

- Step 1: Decide
- Step 2: Choose a registered Technical Advisor
- Step 3: Choose a registered contractor
- Step 4: Apply
- Step 5: Get the works done
- Step 6: Get paid

<https://www.seai.ie/grants/home-energy-grants/how-to-apply/>



Who can help?

Local SECs:

- Energy Master Plan – find out if you can participate
- Join in Community Grant projects

SEAI:

- Guidance on grant schemes
- Referral to Energy Partners

<https://www.seai.ie/grants/home-energy-grants/how-to-apply/energy-partners/>



Energy Master Plan (EMP)

How to participate

1. Keep in touch
2. Be ready for energy surveys – get all your bills together
3. Community Energy Workshops
4. Tell family, friends & neighbours



Setting your own targets

1 small thing & 1 BIG Thing

Small thing ideas:

- Change all bulbs in living room & kitchen to LED
- Remote sockets on TV/DVD/Skybox
- Draught strips on front and back door

BIG Thing ideas:

- Roof and wall insulation
- Heating controls – zoning
- Fit a stove in the open fireplace
- Solar Thermal system
- Heat pumps (if already well insulated)
- Electric Car and Charger



Energy Audits completed



1930s End of Terrace : Upgrade	Capital Cost	Communities Grant	Grant Value	Cost	Individual Measures
Insulated Door	€ 2,023.00	35%	€ 708.05	€ 1,314.95	€ -
Air Tightness testing	€ 2,373.00	35%	€ 830.55	€ 1,542.45	€ -
ASHP plus heating controls	€ 11,581.00	35%	€ 4,053.35	€ 7,527.65	€ 4,200.00
Solar PV	€ 3,500.00	35%	€ 1,225.00	€ 2,275.00	€ 1,400.00
House 2: Upgrade	Capital Cost	Communities Grant	Grant Value	Cost	Individual Measures
Floor Insulation	€ 5,663.00	35%	€ 1,982	€ 3,681	€ -
Attic Insulation	€ 1,915.00	35%	€ 670	€ 1,245	€ 400.00
External Flat Roof Insulation	€ 2,064.00	35%	€ 722	€ 1,342	€ -
External Wall Insulation	€ 23,541.00	35%	€ 8,239	€ 15,302	€ 6,000.00
Windows and Doors upgrades	€ 16,897.00	35%	€ 5,914	€ 10,983	€ -
ASHP plus heating controls	€ 11,581.00	35%	€ 4,053	€ 7,528	€ 4,200.00
Solar PV	€ 3,500.00	35%	€ 1,225	€ 2,275	€ 1,400.00



Questions

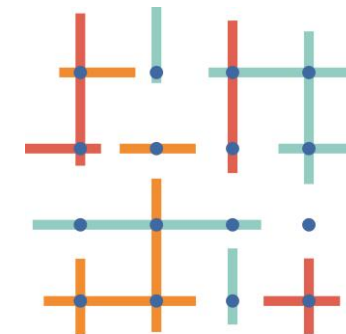
Nicola Murphy

Nicola.Murphy@planenergy.co.uk



Next Steps

- Gather your energy bills
- Get an energy audit
- Identify potential funding sources
- Bring bills, audit etc to next Workshop in January/February 2020



M.CO

Thank you



This information event hosted by: DCU, SEAI, Plan Energy and M.Co