



Corca Dhuibhne Tourism and Hospitality SEC (Sustainable Energy Community)

Energy Master Plan



**Fáilte
Ireland**

An tÚdarás Náisiúnta
Forbartha Turasóireachta
National Tourism
Development Authority



Údarás na
Gaeltachta



seai SUSTAINABLE
ENERGY AUTHORITY
OF IRELAND



IRELAND'S
**DINGLE
PENINSULA**
CORCA DHUIBHNE

To our members



Tourism plays a vital role in the Dingle Peninsula's economy. Recognising this, the Tourism and Hospitality Sustainable Energy Community (SEC) was established in March 2023 with the goal of fostering cleaner, more sustainable practices within the industry. As Ireland's first dedicated Tourism and Hospitality SEC, this initiative sets out to create a clear, sustainable roadmap for businesses in the sector and will provide the learnings and pathways for other areas to act.

Dingle Hub is leading this project, in partnership with Fáilte Ireland, Kerry County Council, Údarás na Gaeltachta and Dingle Peninsula Tourism Alliance. It forms part of the ongoing effort to ensure a more environmentally and economically sustainable future for the Dingle Peninsula. We know that sustainability is playing an ever-greater role in the choices tourists make as they research, book, and undertake travel. But what's easy to forget is that thinking sustainably can make bottom line business sense too.

Investing in sustainable practices often involves significant initial costs. However, with various support options available and green loans that align repayment with the return on investment, these costs and the resulting benefits can be distributed over time.

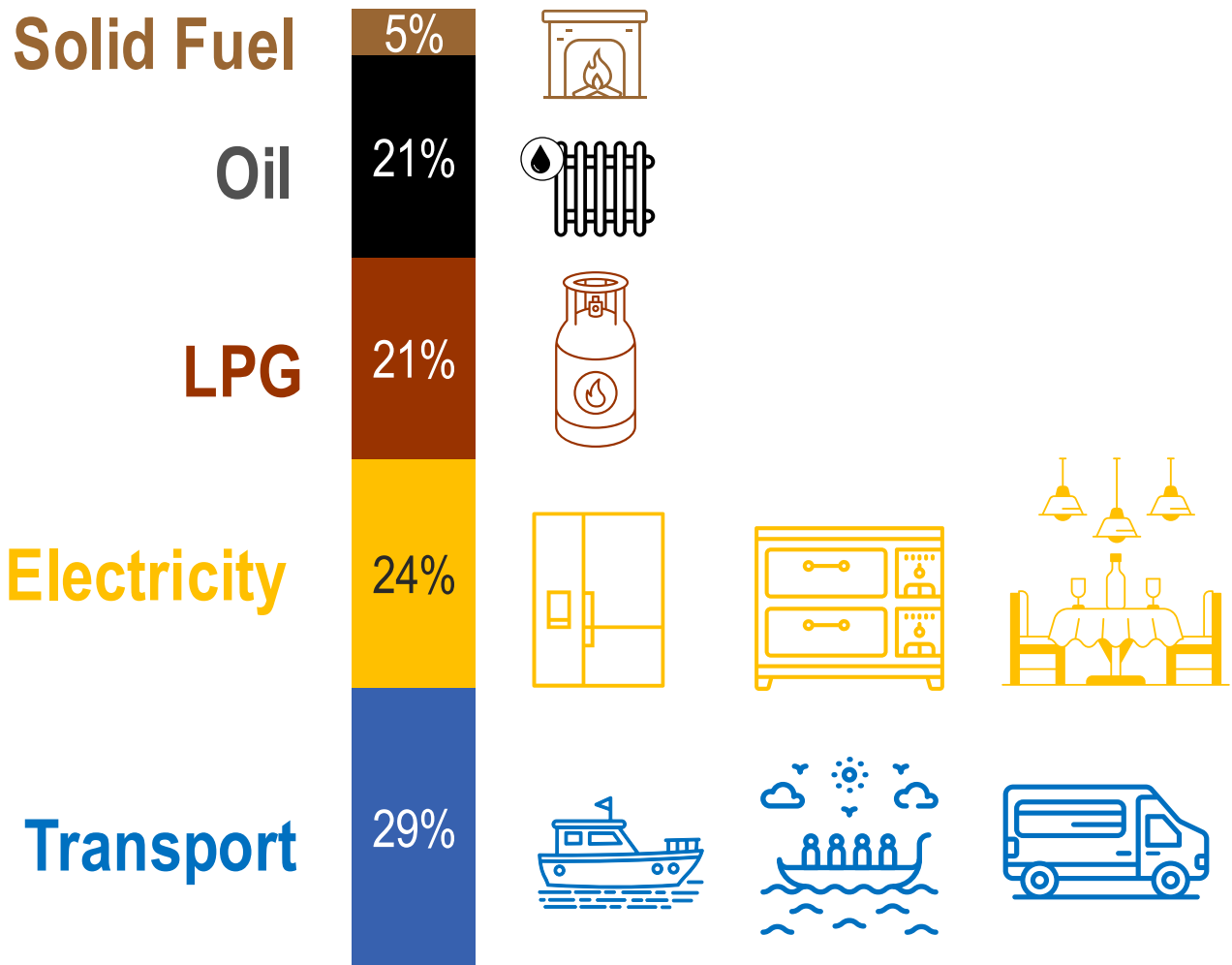
You can embark on your sustainable journey now, joining with the other hospitality and tourism businesses on the peninsula to create a sustainable destination to be proud of.

Míle buíochas,

The Corca Dhuibhne Tourism and Hospitality SEC Team

Corca Dhuibhne Tourism & Hospitality Energy Baseline

Where we are



2023



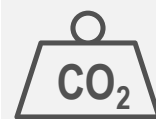
29,913

energy (MWh)



€5.9m

energy costs

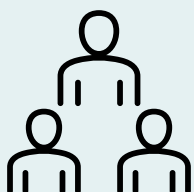


8,170

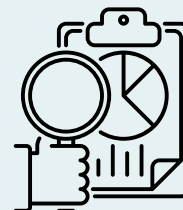
CO₂ tonnes

Corca Dhuibhne Tourism & Hospitality Energy Baseline

Sustainable Energy Community in numbers



120+
*Members
...& counting*

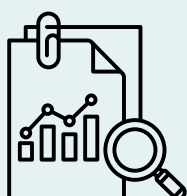


21
*Energy Audits
...& scaling*



69
*Energy
questionnaires*

400kw
*Solar PV
...& counting*



16
*Businesses
monitored*

3,000
*Captured
data points*



2023



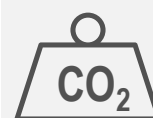
29,913

energy (MWh)



€5.9m

energy costs




8,170

CO₂ tonnes

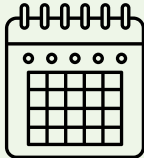
Corca Dhuibhne Tourism & Hospitality SEC

Energy Master Plan Metrics

Potential to reduce consumption by



75%




years

<1.5

average payback period of the Top 5 recommended measures

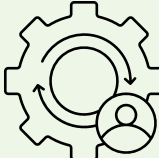
Potential to reduce carbon footprint by



85%

by implementing the recommendations

Most cost-effective & impactful measures




behavioural change



tariff reviews



audits




LED lighting retrofits



solar PV installations

ANNUAL TARGETS



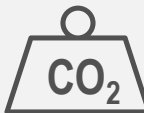
7,713

energy (MWh)



€3m

cost savings



2,314

CO₂ tonnes

SECTORAL GUIDANCE

Hotels Guesthouses B&Bs

2023 Baseline
12,211 MWh
€2.3M
3,325t CO ₂



Measure & Manage



Energy Rate



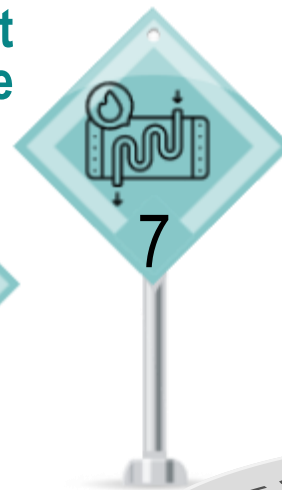
Staff Training / Behavioural Change



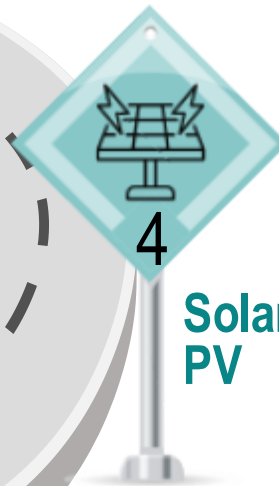
Energy Efficiency



Building Fabric



Heat Exchange



Solar PV

Roadmap for delivery

2030**3,148 MWh****€1.123 M****857t CO₂**

Annual Targets



Energy Rate

Shop around for the best electricity price by using an energy broker and save 25% with one phone call.



Measure & Manage

Apply for a free Energy Audit using SEAI grant scheme.*



Staff Training / Behavioural Change

Staff training on energy savings using the online SEAI Energy Academy.



Solar PV

Renewables – Install Solar PV using SEAI grant & ACA tax relief. Average payback is less than 5 years.



Energy Efficiency

LED lights are 40-60% more efficient. Modern fridges, cookers, washing machines are often 30% more efficient.



Building Fabric

Fabric upgrades for your building – looking at windows, doors, insulation using the SEAI grant aid of 30%.



Heat Exchange

Get a Heat pump installed using the SEAI SSRH grant aid of up to 40%.

* If your energy spend is under €10,000 per year please apply for the LEO Green for Business

SECTORAL GUIDANCE

Restaurants Pubs

2023 Baseline
12,979 MWh
€2.7M
3.878t CO₂



2
Measure & Manage

1
Energy Rate

3
Staff Training / Behavioural Change

5
Energy Efficiency

6
Building Fabric

7
Heat Exchange

4
Solar PV

**Roadmap
for delivery**

2030**3,247 MWh****€1.4M****991t CO₂**

Annual Targets



Energy Rate

Shop around for the best electricity price by using an energy broker and save 25% with one phone call.



Measure & Manage

Apply for a free Energy Audit using SEAI grant scheme.*



Staff Training / Behavioural Change

Staff training on energy savings using the online SEAI Energy Academy.



Solar PV

Renewables – Install Solar PV using SEAI grant & ACA tax relief. Average payback is less than 5 years.



Energy Efficiency

Upgrade to LED bulbs with motion sensors using EEOS grant. Replace old equipment like dishwashers, fridges, compressors, walk in cold rooms, ovens with newer A+ appliances using the LEO Energy Efficiency Grant of 75%.



Building Fabric

Improve the fabric of building with insulation, upgrade windows...etc. Your Energy Audit will guide you on this.



Heat Exchange

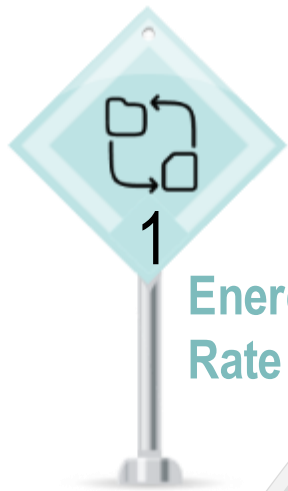
x14 businesses on the peninsula were identified for heat recovery system; Heat recovered from cooling compressors can be used to heat water or space heating. This makes sense for larger pubs and pubs with accommodation.

* If your energy spend is under €10,000 per year please apply for the LEO Green for Business

SECTORAL GUIDANCE

Cafés Coffee shops

2023 Baseline
1,119 MWh
€240K
237t CO ₂

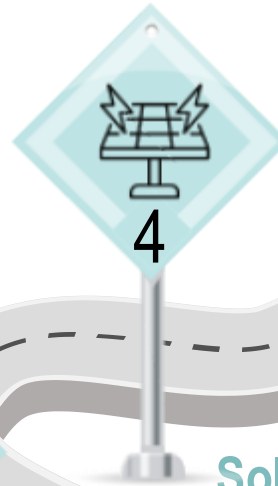


1
Energy
Rate

3
Staff Training /
Behavioural Change

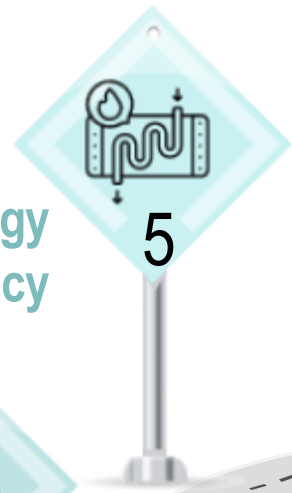


2
Measure
& Manage



4
Solar PV

5
Energy
Efficiency



Roadmap
for delivery

2030**288 MWh****€132K****79t CO₂***Annual Targets***Energy Rate**

Shop around for the best electricity price by using an energy broker and save 25%.

**Measure & Manage**

Apply for a free Energy Audit using SEAI grant scheme.*

**Staff Training / Behavioural Change**

Staff training on energy savings using the online SEAI Energy Academy.

**Solar PV***Renewables*

Install Solar PV using 25% SEAI grant & ACA tax relief. Your Energy Audit will guide you on size of PV system.

**Energy Efficiency**

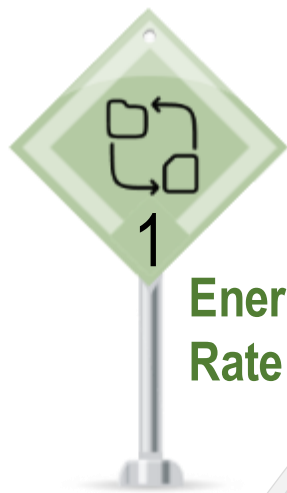
Replacing old style bulbs with energy efficient LED bulbs – payback periods for LED lighting are normally less than 2 years using the EEOS. Replace old equipment like dishwashers, fridges, walk in cold rooms, ovens with newer A+ appliances using the LEO Energy Efficiency Grant of 75%.

* If your energy spend is under €10,000 per year please apply for the LEO Green for Business

SECTORAL GUIDANCE

Campsite

2023 Baseline
0.141 MWh
€35K
0.04t CO ₂

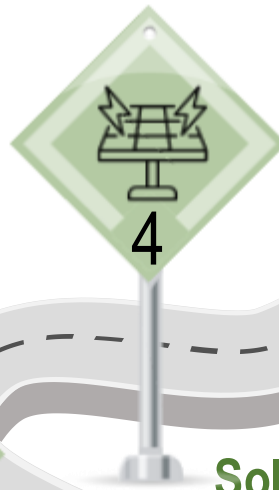


1
Energy Rate

3
Staff Training / Behavioural Change



2
Measure & Manage



4
Solar PV

5
Energy Efficiency



Roadmap for delivery

2030

0.036 MWh

€21K

0.01t CO₂

Annual Targets



Energy Rate

Shop around for the best electricity price by using an energy broker and save 25%.



Measure & Manage

Apply for a free Energy Audit using SEAI grant scheme.*



Staff Training / Behavioural Change

Staff training on energy savings using the online SEAI Energy Academy.



Solar PV

Renewables

Install Solar PV using 25% SEAI grant, & ACA tax relief. Your Energy Audit will guide you on size of PV system.



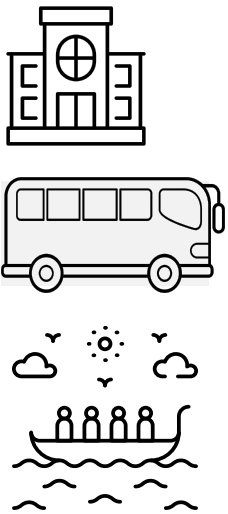
Energy Efficiency

Upgrade to A+ washing machines, dryers with LEO Energy Efficiency 75% grant. Use solar LED lights for outside pathways.

* If your energy spend is under €10,000 per year please apply for the LEO Green for Business

SECTORAL GUIDANCE

Activity Provider



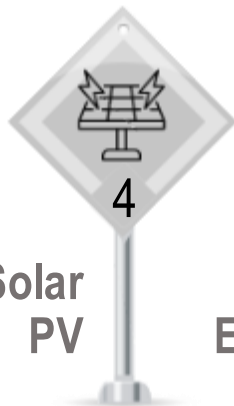
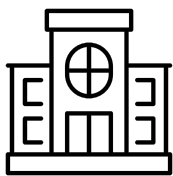
**Energy
Rate**



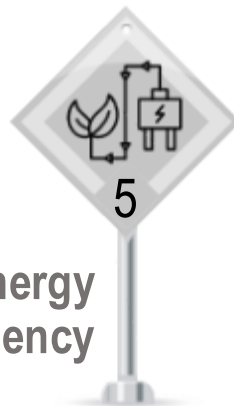
**Measure
& Manage**



**Staff Training /
Behavioural Change**



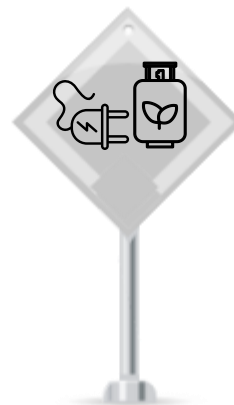
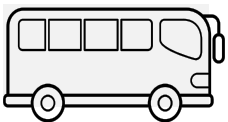
**Solar
PV**



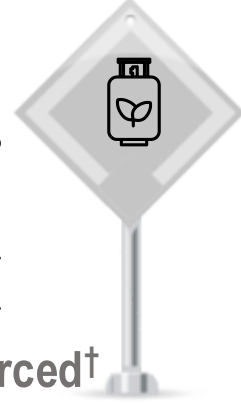
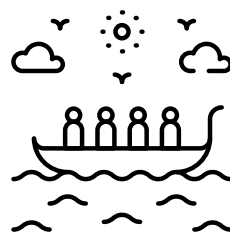
**Energy
Efficiency**



**Building
Fabric**



**Bio-Methane, ethically
sourced[†] HVO or
electrification of fleet**



**Ethically sourced[†]
HVO or Bio-methane**

**Roadmap
for delivery**



Energy Rate

Shop around for the best electricity price by using an energy broker and save 25%.



Measure & Manage

Apply for a free Energy Audit using SEAI grant scheme.*



Staff Training / Behavioural Change

Staff training on energy savings using the online SEAI Energy Academy.



Solar PV

Renewables – Install Solar PV using 25% SEAI grant, & ACA tax relief. Your Energy Audit will guide you on size of PV system.



Energy Efficiency

Upgrade to LED lighting.



Building Fabric

Improve the fabric of building with insulation, replace windows, depending on age of building. Your Energy Audit will guide you on this in more detail.



Bio-Methane, ethically-sourced[†] HVO or electrification of fleet

* If your energy spend is under €10,000 per year please apply for the LEO Green for Business

[†] What is 'ethically sourced'? It's on its second use, European sourced

CASE STUDY:

Hotels Guesthouses B&Bs



ACTION

1

Energy Rate

Using the **SEC's recommended energy broker**, they changed energy providers and **saved 30% of electricity costs** with one phone call.



ACTION

2

Measure & Manage

As part of the project, an **energy monitor was installed** in the property. This not only allowed them to keep track of their energy consumption but also **showed that the washing machine and dryer were working inefficiently**.

In September 2024, an application was made for the LEO Energy Efficiency grant. As a SEAI Energy Audit had already been conducted, **the application for the grant could proceed immediately**.

A new A+ washing machine and dryer were bought for €14,000. **A reimbursement of €10,000 will be received via the LEO grant**. The tumble dryer and washing machine are 50% and 30% more efficient, respectively.

Date joined SEC

March 2023

Business type

A 13-bedroom guesthouse in Dingle town

Solar PV

October 2023 – **signed up for the Sustainable Energy Community Solar PV Meitheal.**

8kWp of solar PV was installed in March 2024. This meets 50% of their electricity requirement with a **payback of 4 years.**



ACTION

3

Building Fabric

New triple glazing windows were installed in the bedrooms facing the road.

This has **reduced the heating bill** and the noise from the main road.

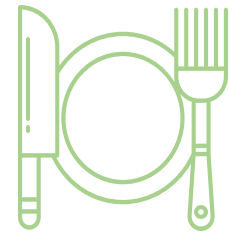


ACTION

4

CASE STUDY:

Restaurants Pubs



Energy Rate

This business **undertook an SEAI Energy Audit.**

This audit **revealed a clear path** to improve the building's energy efficiency.



Building Fabric

One of the first steps taken from the audit was to **install roof insulation**; greatly improving the fabric of the building.

This **saves the business €1,000 per year** with a **payback of 9 years** and makes the place more comfortable for customers.

Date joined SEC

March 2023

Business type

Busy bar/restaurant in a rural location

Solar PV

As part of the **SEC Solar PV Meitheal**, 30KWp of roof solar panels were installed.

This solar PV meets 40% of the bar/restaurant's electricity needs.

With a **payback of less than 4 years**, the energy savings are immediate.



ACTION

2

EV Charging

They plan to **install two 11kVA EV chargers**, enabling the business to offer electricity for charging customers' cars while they enjoy lunch or dinner at the bar/restaurant.

This is an **extra revenue stream** for this business.



ACTION

3

CASE STUDY:

Cafés

Coffee shops



Measure & Manage

ACTION
1

This business **undertook an SEAI Energy Audit.**

The audit advised that the **standalone fridges were running inefficiently.**

The audit also advised them to install Solar PV.



Solar PV

ACTION
2

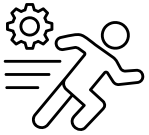
In April 2024, they installed 11kWp Solar PV and this amounted to 33% of their energy demand and **payback of 4.5 years.**

Date joined SEC

March 2023

Business type

Small Café / Coffee shop



ACTION

3

Energy Efficiency

In 2025 they plan on **upgrading the refrigeration** and will avail of the LEO Energy Efficiency grant.

The new refrigeration will be 30% more efficient. As they have completed their SEAI Energy Audit, they can **apply for the LEO grant straight away**.

Glossary of Terms

ACA

Accelerated capital allowance

EEOS

Energy Efficiency Obligation Scheme

HVO

Hydrotreated vegetable oil

LEO

Local Enterprise Office

LED Bulbs

Light emitting diode bulbs

SEAI

Sustainable Energy Authority of Ireland

SSRH

Support Scheme for Renewable Heat

