

# Welcome

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Introduction to  
Energy Local

# Introduction

## Why Are We Here Today?

- **Cornwall generates** increasing amounts of **renewable energy**
- **Local communities** often **see little** direct financial **benefit**
- **Energy Local helps communities use more local renewable electricity locally**
- **Clubs can** help reduce bills, support generators, and keep value within the community
- **Today** is about **exploring** whether something similar **could work in Chacewater**

## Key Question

- **Could Chacewater become** part of a new generation of community-led local energy clubs?
- **Time for discussion** as we walk through
- this presentation



[5. \(Updated\) Intro Video - Dropbox](#)

# Bridport - Wind



- Bridport was the first club to launch in England. The Club's generator is a wind turbine owned by a local farmer,
  - Peter Bailey pictured in grey, was **selling** his electricity **to a supplier for a few pence** per kilowatt hour, while his **neighbours nearby were buying** power at a **much higher rate**.
- 
- All Club members, including Peter as the generator, agreed a price households pay when they use power at the same time the turbine is generating, which benefits all parties.
  - There's a bit more to the set-up process but that's the basic premise.
  - So generators in clubs can be community owned, owned by a non-profit organisation, or privately owned. What is always the same is that the Advisor and community work together with the generator(s) to get the club off the ground.

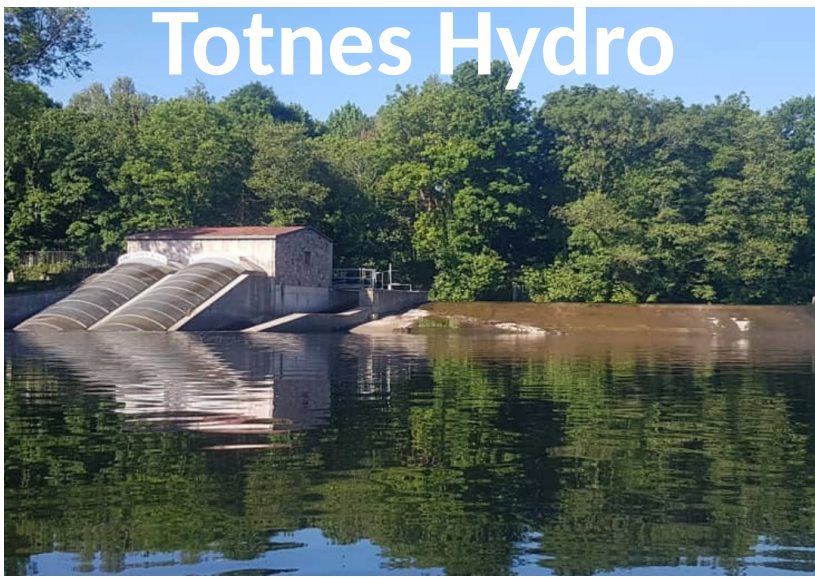
# Corwen Hydro

- Corwen Hydro is owned by Corwen Electricity which is a co-operative
- There are high levels of fuel poverty in Corwen



- Club's main aim is to reduce bills for local people so they choose to keep their match tariffs low as possible – currently 13.5p/kWh.

# Totnes Hydro



- Two privately owned turbines in the river Dart.
- One feeds a school and the other feeds another building through direct wire before being exported into the local distribution network (often referred to as the grid)
- Agreed private agreement for price per kWh with buildings the power feeds through. Exported power was being sold to a supplier for 8p/kWh when the local community was using power while the generator was producing power, they were being using that locally generated power but being charge 25p/kWh.
- By agreeing a match price of 15p/kWh the local community saves money and the generator makes more money.
- Totnes was our first club to launch with 100Green which allows for multiple generators so we're in the process of adding solar generation to the club, meaning that there will be lots of power available on the match tariff in the summer through solar and in the winter through the hydro

# Shows 13 live clubs but we now have 18 and more in the pipeline.



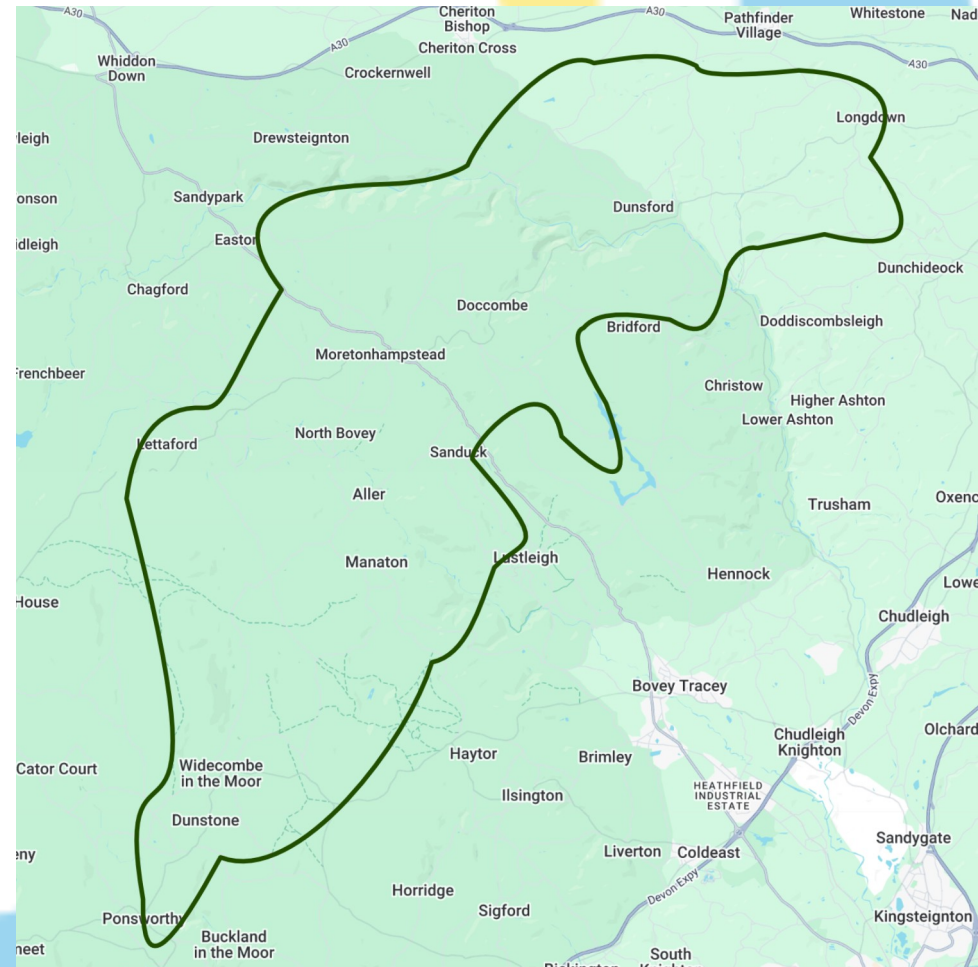
Solar in yellow: Wind in green  
Hydro in blue: Anaerobic digestion in pink

# Setting Up An Energy Local Club

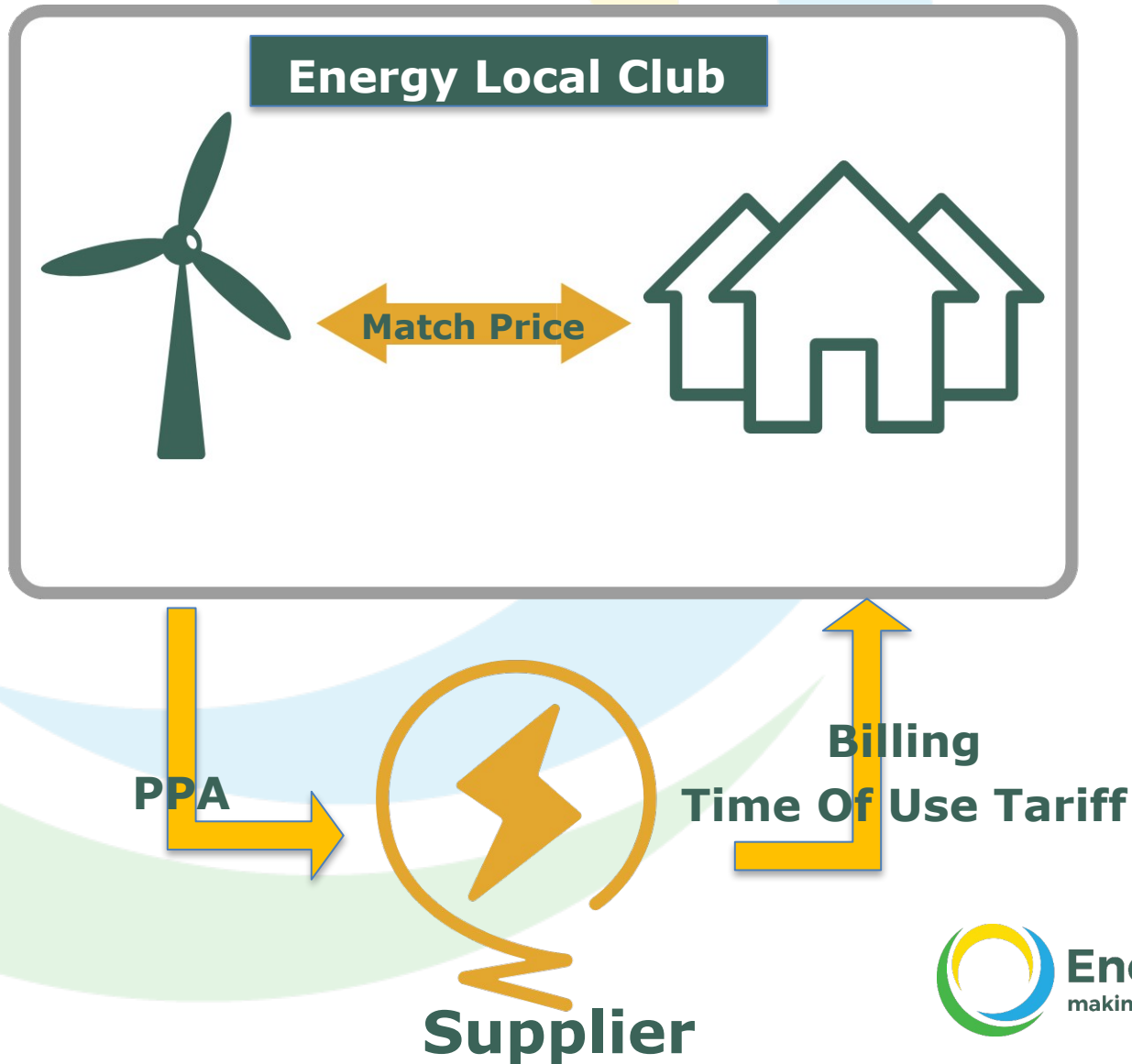
- **Community led – as the local community will manage the club on an ongoing basis**
- **Attend an Energy Local Introduction Event on line – see website to sign up**
- **Identify potential generators**
- **Test household interest**
- **Find funding – around £10,000 for average club**
- **Employ a club Advisor - 100-150 hours over 4-6 months to get the Club launched.**
- **Work with Energy Local on a Club proposal and go from there**

# Club Area: Must align to Local Power Station

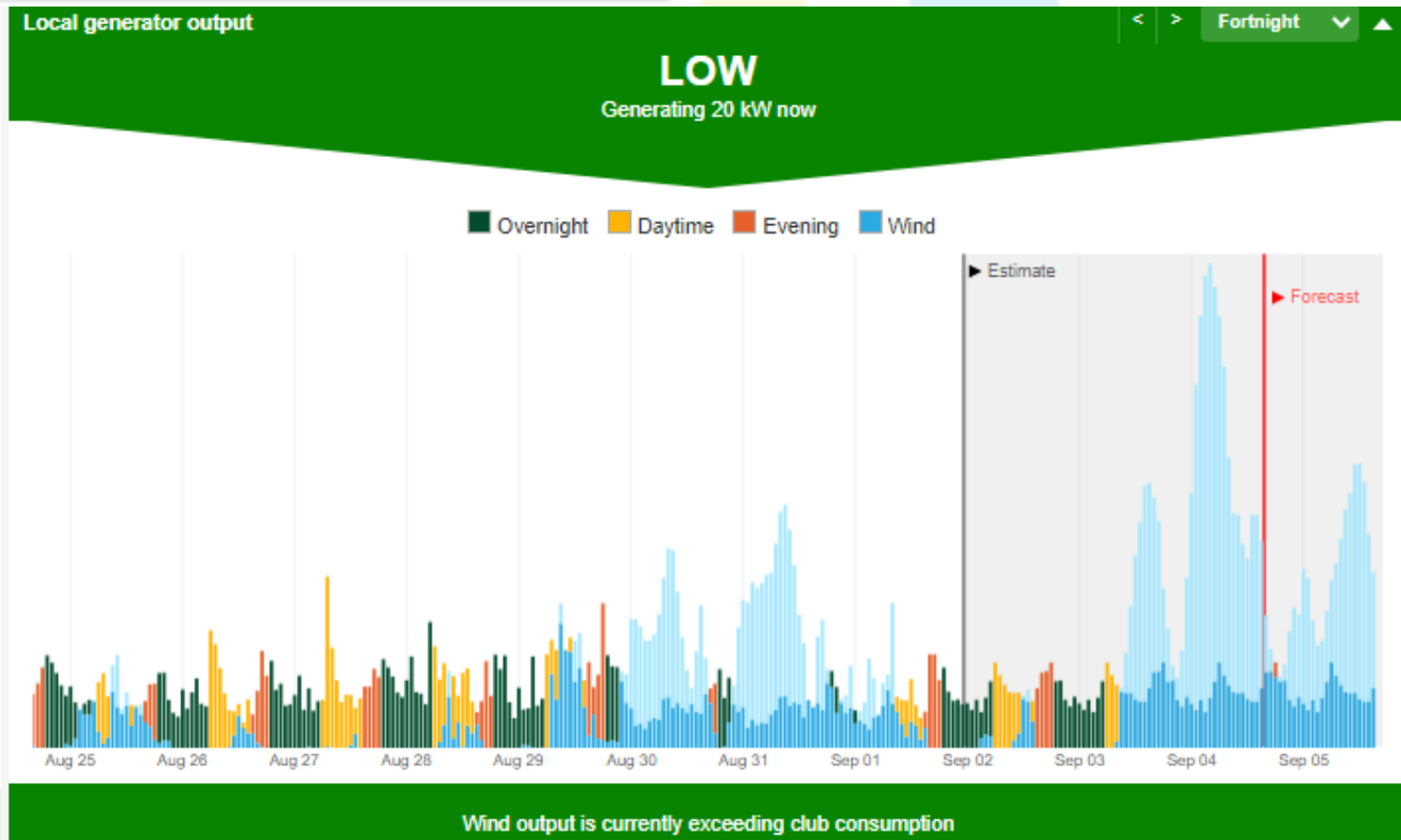
- **All generators and consumers need to be within the area that the local primary electricity substation feeds.**
- **Electricity staying local, so don't have to pay most of the transmission costs:**
- **Match rate paid by the members is similar to that received by the generator.**



# Energy Local in a nutshell



# Dashboard



**Consumer Access Devices (CAD)** are additional pieces of equipment which provide live data to the dashboard to give real time consumption and generation information to the Club member and helps to optimise the benefits of using the renewable generation.

# Contact

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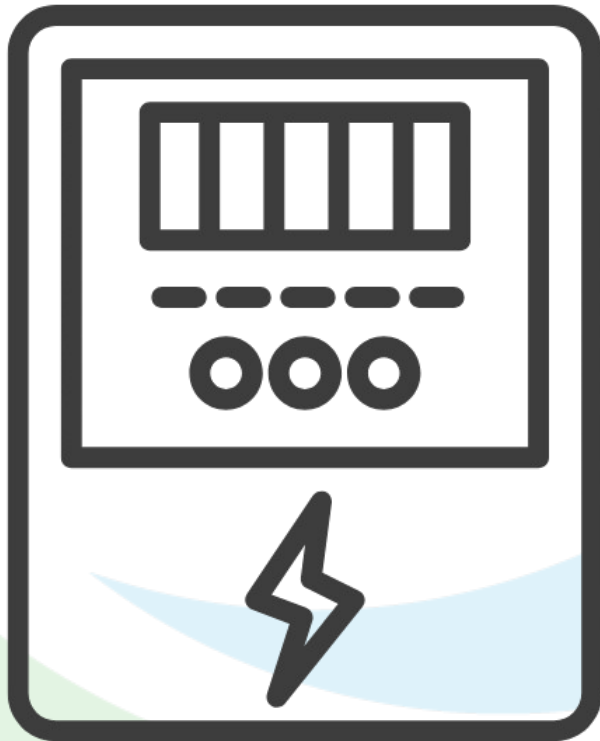
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# Smart Meters



Record electricity used every half hour

Readings sent automatically to supplier

Supplier matches local generation to local consumption

Any smart meter will work with EL