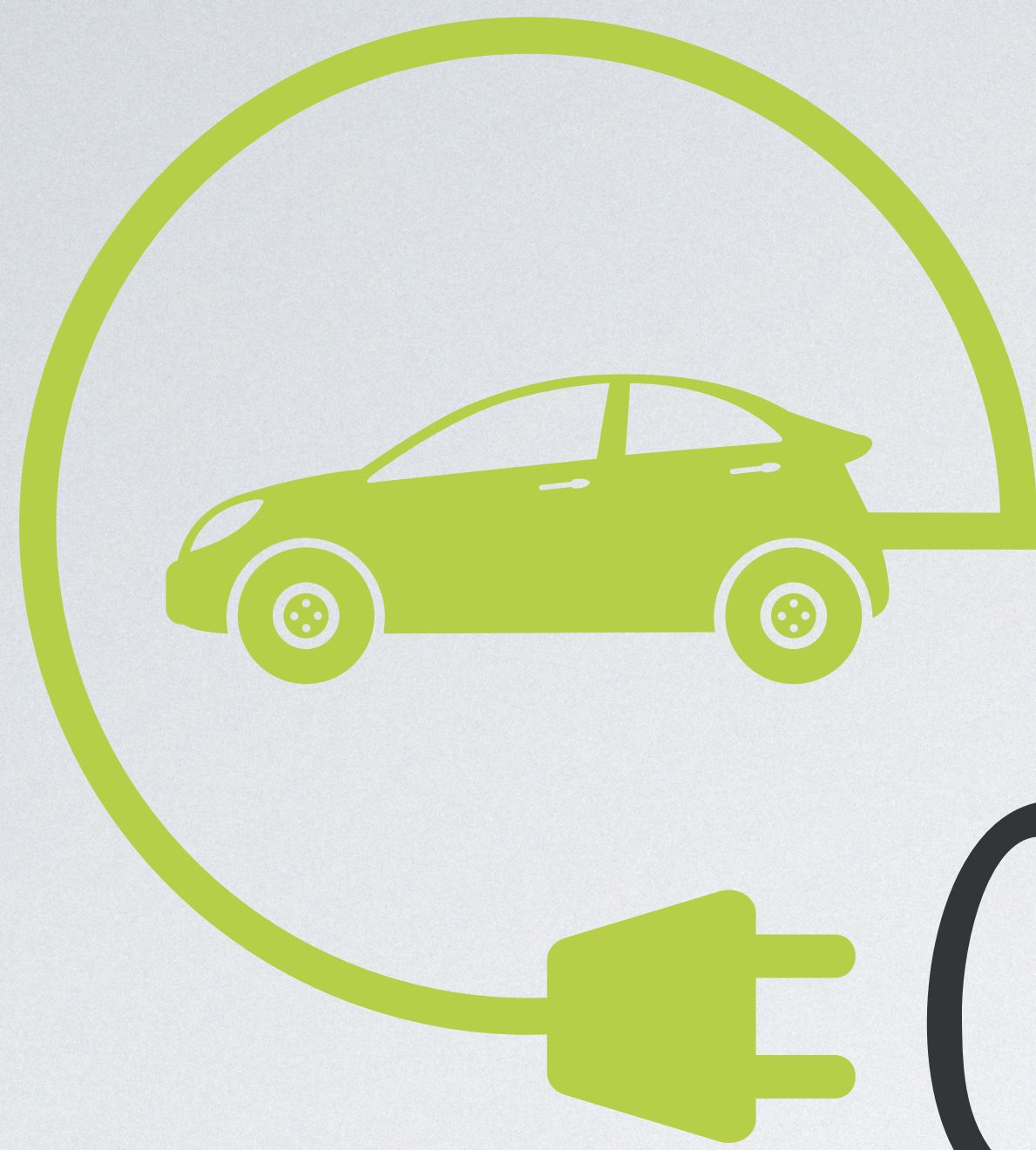




# CHARGE MY STREET

## LEADING THE CHARGE

Electric Vehicle Chargepoints for your community



# 3 potential options for hosting a chargepoint?

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1. Install and manage yourself
2. Approach a large player in the market,  
e.g. BP Chargemaster, Shell, Instavolt
3. Go for a community-based model



# How long does it take to charge a car?

The car determines the rate of charge in kW

The size of the car battery is measured in kWh

Charging is either

AC (slow - fast)

or

DC Rapid

Charge My Street install double 22kW fast AC chargepoints











Type 2 - Fast AC



CCS - Rapid DC (tethered)





# Charge Rates at public chargers

AC

DC

The car determines the rate.



3.7kW  
22kW



6.6kW  
46kW



11kW  
120kW



22kW  
46kW



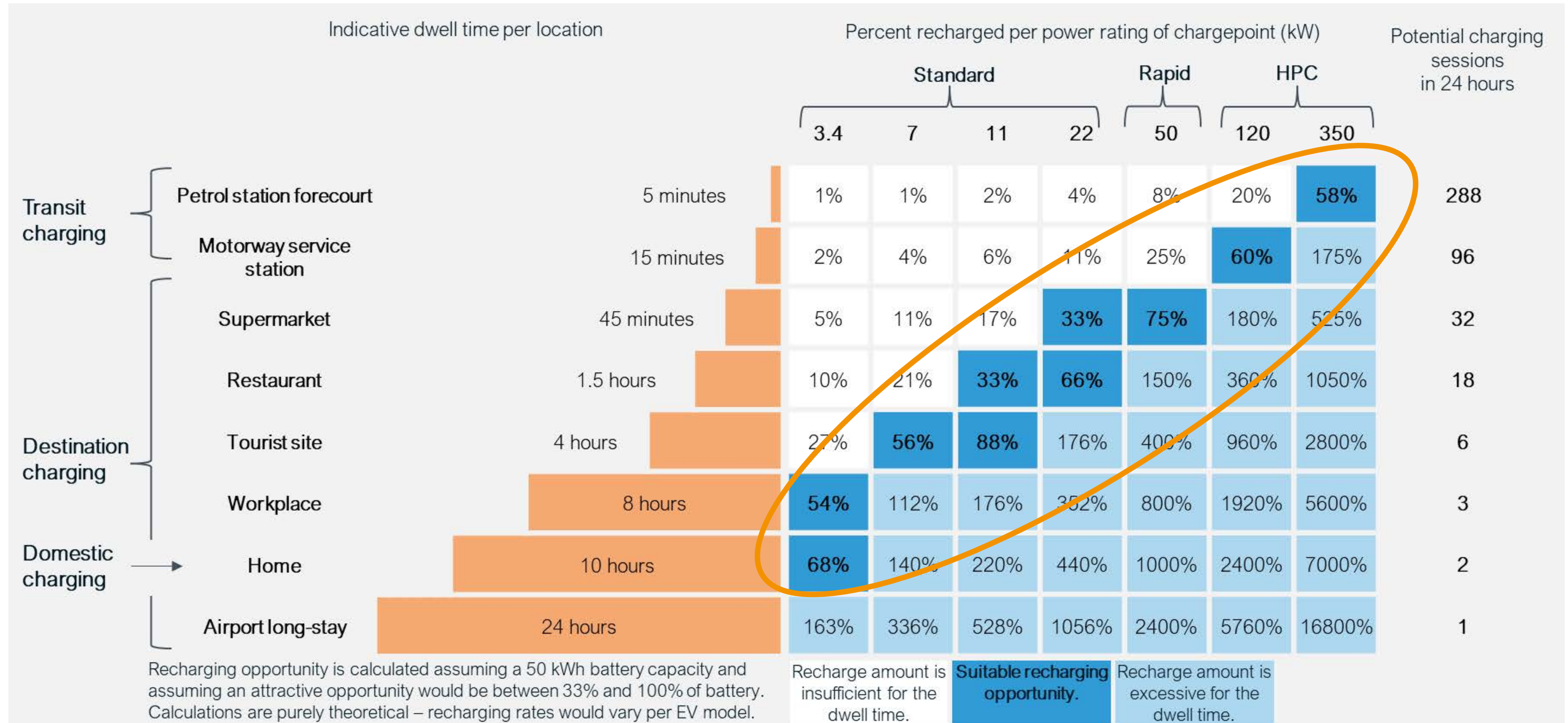
# Home charging - max 7kW (single phase)





# Convenience drives success in EV

Charging infrastructure must fit to the lifestyle of the customer





# What are the benefits of hosting a chargepoint?

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- ◆ Attract more customers
- ◆ Provide a community asset
- ◆ Help tackle air pollution and the climate emergency



# Main issues to consider in decision-making about EVCP hosting

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- ◆ Who might actually use the EVCP now / in future?  
Could see limited use in the immediate short term: Covid / low EV take-up  
1 million Electric Vehicles (EVs) forecast to hit UK roads by 2025 (Accenture 2019)
- ◆ Will the EVCP be public / private / mixed use?
- ◆ What other practicalities do I need to consider?
  - car parking bay locations / power / access / any parking restrictions etc.



# How does it work?

## Two models of operation

### 1. Use building supply

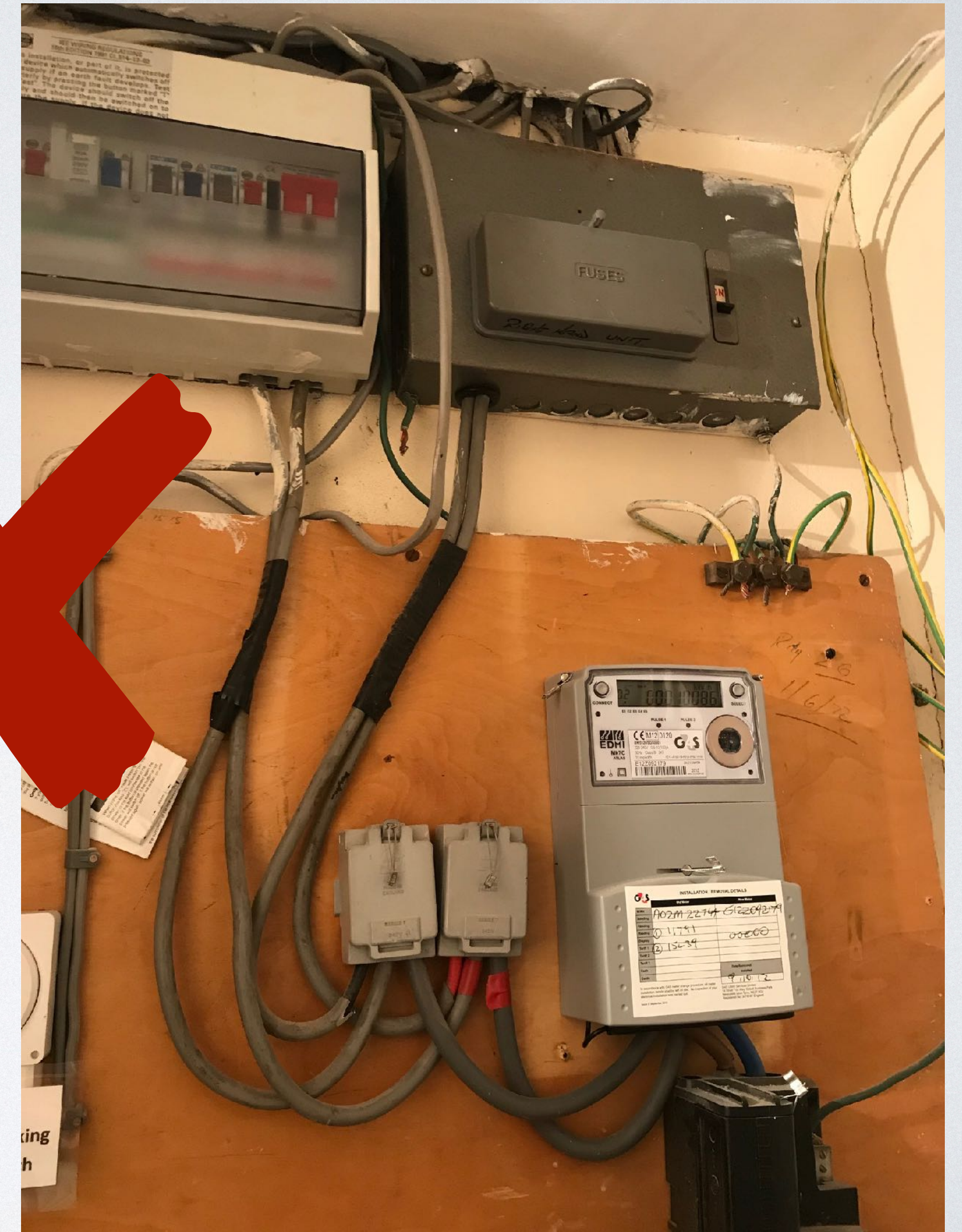
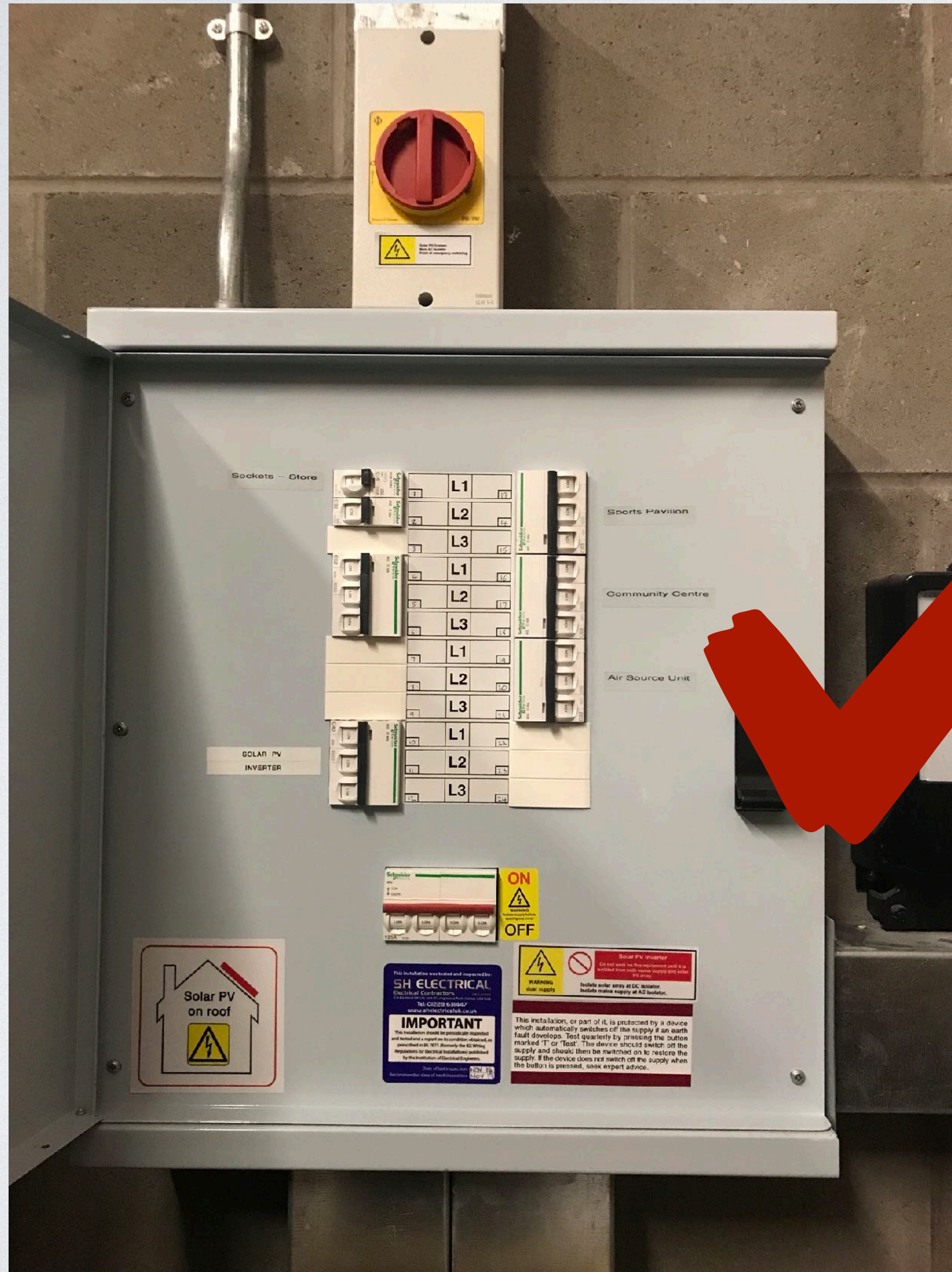
depends on type of supply and existing load on building -  
especially important in pubs with busy, predominantly electric kitchens

### 2. New mains electricity connection

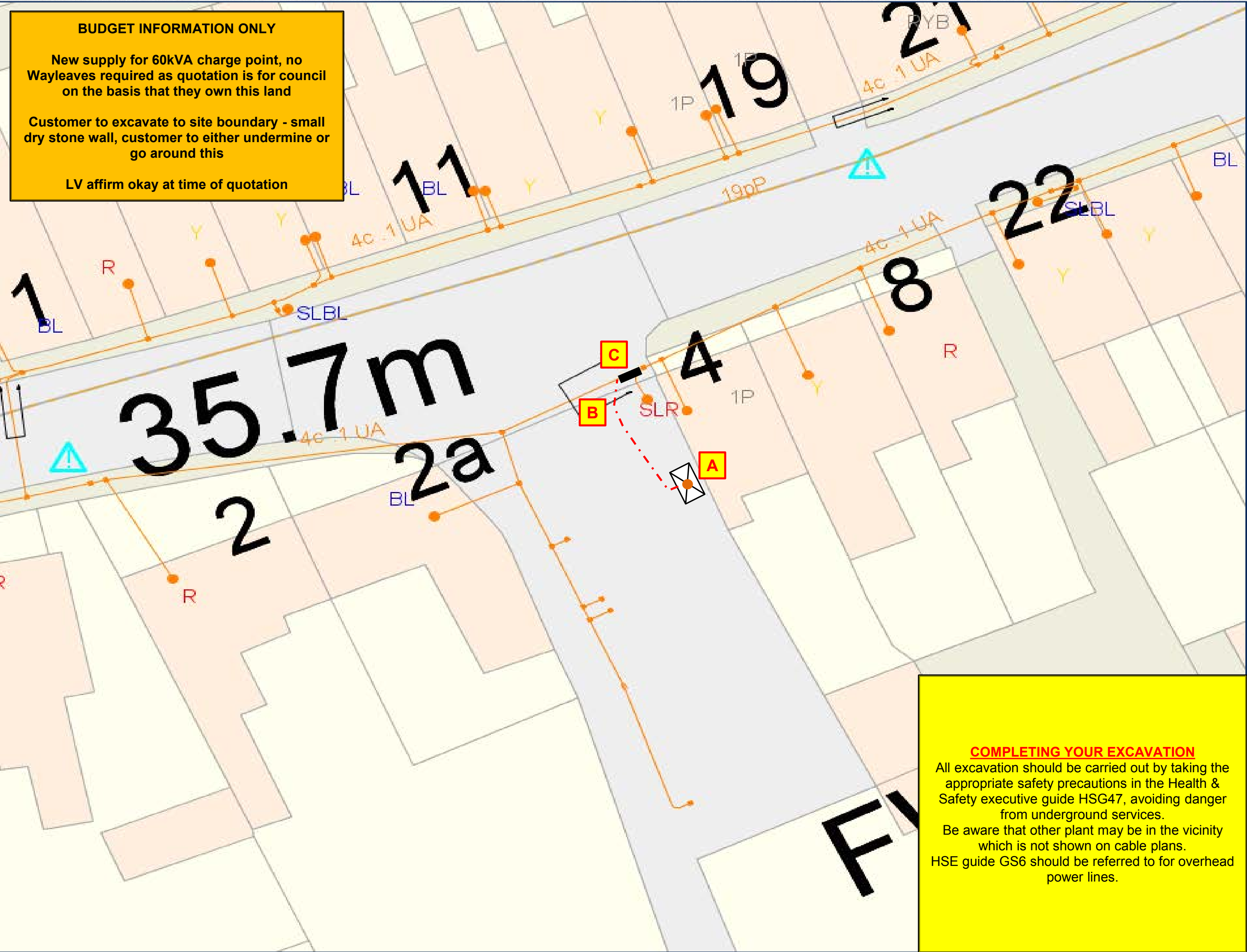
dependent on availability of suitable DNO connection



# Use the building supply, ideally 3 phase







**Site:** SOSCI, LIME STREET CAR PARK, DALTON-IN-FURNESS, LA15 8BY

**Project No:** 5500172943/A

**Planner:** NATALIE CLAYTON

**Co-ordinates:** X:322776; Y:474093

**SERVICE CONNECTION**

**A** Fit meter board and cut out, terminate new 3c 25 SCNE into 3Ø cut out

**C** Excavate jointbay and breach joint new 3c 25 SCNE onto existing 4c.1

**A to B** Install new 3c 25 SCNE into 117mm red duct laid by customer

**CUSTOMER WORKS**

**A to B** Excavate trench at a depth of 600mm and install 117mm red duct to site boundary

Cover 117mm red duct with sand and ENWL markertape and install draw rope

**B** Install feeder pillar to ENWL specification

Fit 117mm red entry duct with 450mm of cover below ground level

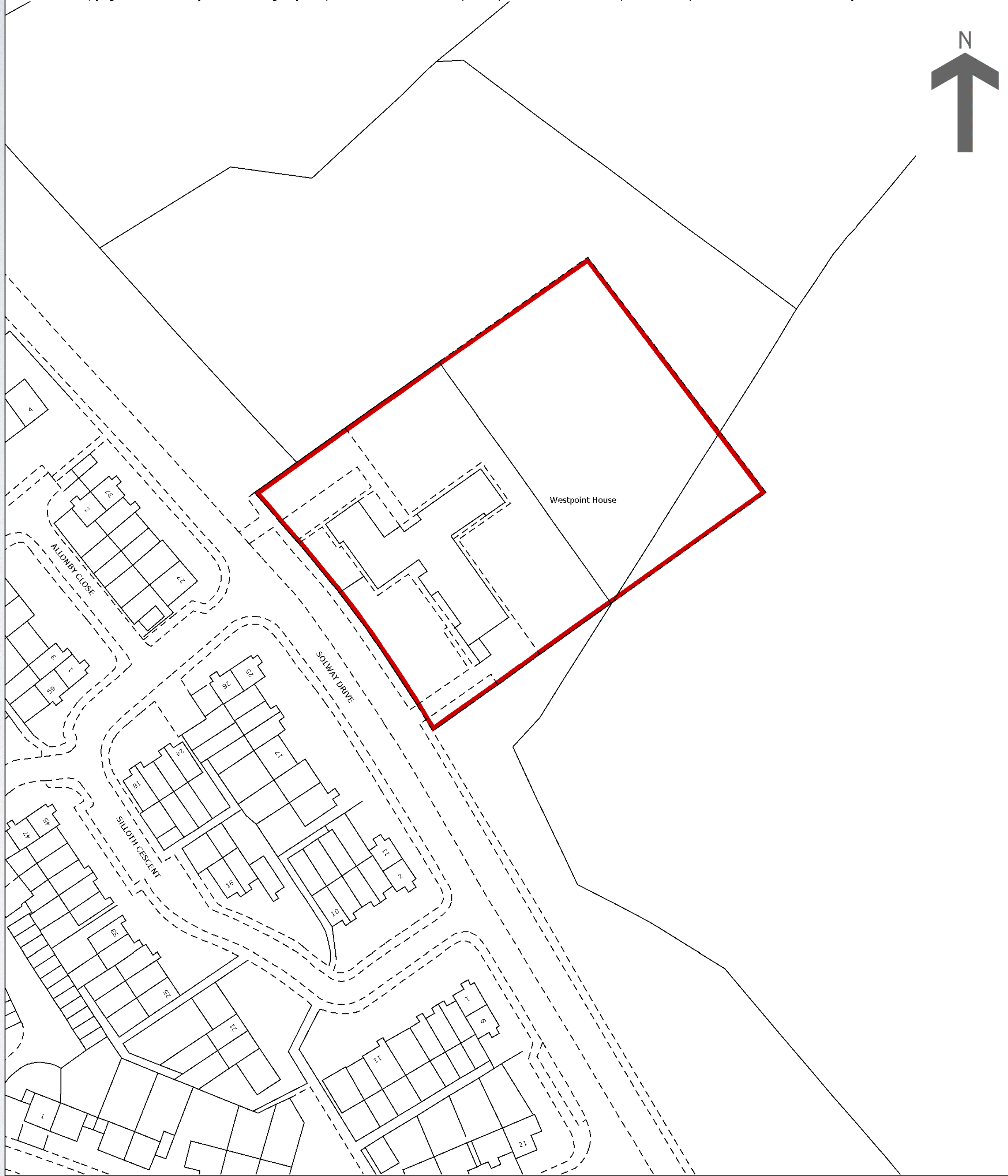
**Drawing No:** A

**Scale:** Not to scale

**READY FOR CONSTRUCTION**

This plan is issued by Electricity North West Limited. Unless otherwise indicated Electricity North West Limited cables are laid at depths in accordance with NJUG 2 (typically 450mm for Low Voltage & 600mm for 11kV cables in footpaths). 33kV/132kV cables are laid at depths as marked. The depths and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However, third parties may have altered the surface level & other reference data. Therefore Electricity North West accepts no responsibility for the position of Electricity North West Limited equipment being different from that shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated in the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited. Reproduced from or based upon Ordnance Survey's map with the permission of the Controller of Her Majesty's Stationery Office. Crown Copyright Reserved. LICENSE No 100017892. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. Reference should be made to HSE guidance HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines." Electricity North West Limited, registered in England and Wales, registered office: 304 Bridgewater Place, Birchwood Park, Warrington, WA3 6XG.



















Can we make money from  
hosting an EVCP?

How much will it cost to install?



# Potential options for hosting a chargepoint?

---

Install and manage yourself:

OZEV grant of £350 per socket available through the workplace charging scheme

Ballpark £800 for a commercial, 'dumb' socket

But the host then provides free electricity or needs software to administer users; has to manage and maintain



# Potential options for hosting a chargepoint?

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Approach a large player:

Dominated by fossil fuel companies and venture-backed businesses

All installation and ongoing operating costs are covered

But difficult to make the commercial case

Closed networks



# Potential options for hosting a chargepoint?

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## Community-based model:

Member-owned, not-for-profit

Cost neutral to the host

Considerations are not wholly commercial

- community benefit, social inclusion

Open to roaming with other networks



# How to host a Charge My Street community chargepoint?



SOSCI

Scaling On-Street Charging Infrastructure

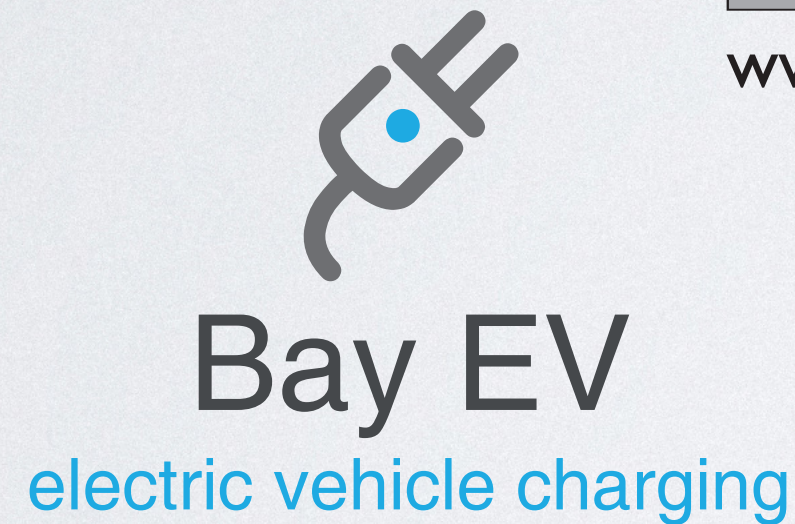
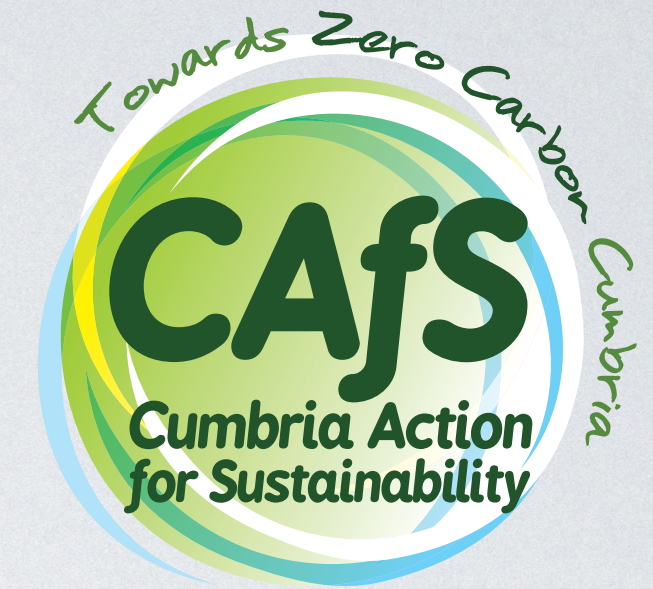
Funded by  
**Innovate UK**



Office for  
Zero Emission  
Vehicles



**SOSCI**  
Scaling On-Street Charging Infrastructure



grønn kontakt

**MIRALIS**

**Innovate funding is time-limited:  
installation must be complete by early autumn.**



01524 881227

GET IT ON Google Play

Download on the App Store

HOME | ABOUT | HOST | CHARGE | INVEST | RESOURCES

CHARGE MY STREET

Host

a chargepoint

Charge

with us

Invest

in community chargepoints

WONDERING WHAT IS INVOLVED IN HOSTING A CHARGEPOINT?

For more info join us on our webinar on June 30th at 4pm. Register [here](#).

The lack of chargepoints where people need them is one of the biggest barriers to the electric vehicle revolution, a revolution that will help to reduce air pollution and control greenhouse gases. Together we can change that.

Who are Charge My Street?

We are a community benefit society which installs and operates community chargepoints, raising money through community shares.

Tweets by @chargemystreet

ChargeMyStreet Retweeted

CAS

CAS

@CASweets

The latest chargepoint in our project with @chargemystreet at @WPHWalney has been opened by Barrow's deputy mayor Helen Wall. Thanks Helen! May this be the first of many charges.

Lancashire

Lancashire potential charge points

Do you know a potential location for a new chargepoint in Lancashire? It only takes a minute to provide details.

Suggest New

Boot & Shoe

Available for use

Lancaster Boys & Girls Club

Available for use

Business park

Alternative provider

WONDERING WHAT IS INVOLVED IN HOSTING A CHARGEPOINT?

For more info join us on our webinar on June 30th at 4pm. Register [here](#).

We're installing around 200 new chargepoints in the north of England by March 2021, and we're looking for host sites now. It's all part of a government-funded programme to install more chargepoints in areas where people don't tend to have their own driveway, and in rural areas that commercial chargepoint providers might not reach. It's a great way to attract more people to your premises, while helping your community. You'll also be at the heart of the drive towards electric vehicles, reducing pollution in your area and helping to tackle climate change.

The aim of this project is to ensure that the cost of installation and operation is as little as possible – in many cases, there will be no cost at all to chargepoint hosts. The partnership will pay for as much of the capital installation costs as possible, with our total contribution depending on the number of chargepoints you wish to install, and any upgrades to the grid or changes to parking bays required. We would ask you to help us to promote our periodic Share Offers.

Can you answer the following:

- Is there off-street parking for at least two electric vehicles?
- Are these publicly available, at least overnight?
- Are you, or the site owner, interested in hosting a chargepoint?
- Is there a broadband connection or good mobile data signal?
- Is it in an area that could see it used well, if not now but in the near future?

If you have answered yes to all these, then head over and have a look at our more detailed [FAQs page](#). If you still have questions don't hesitate to [get in touch](#).

Are you ready to apply?

Then click on your area map below, enter the details requested and submit your suggestion (please check with the site owner before submitting). We will review your suggestion and a project officer will get back to you - if your suggestion is in County Durham it will be a member of the team there, if elsewhere it will be someone from Charge My Street.

Cumbria

Lancashire

County Durham

National

01524 881227

CHARGE MY STREET

HOME | ABOUT | HOST | CHARGE | ALL THINGS EV

Pick potential charge point location

Locate by address or postcode

Postcode or address

Locate on map

Mark your suggested location by clicking on the map below and drag as necessary. You can also enter latitude and longitude

Map

Satellite

Latitude

Longitude

Is the site near any terraced housing or flats?

☐ N/A

☒ Yes

☐ No

☐ Don't know

Are there any parking charges or restrictions that we should know about?

☐ N/A

☐ Yes

☒ No

☐ Don't know

Is the parking available overnight?

☐ N/A

☒ Yes

☐ No

☐ Don't know

Is the site in range of a phone signal?

☐ N/A

☒ Yes

☐ No

☐ Don't know

Does the site have broadband?

☐ N/A

☒ Yes

☐ No

☐ Don't know

Does the site have access to phase 3 power?

☐ N/A

☒ Yes

☐ No

☐ Don't know



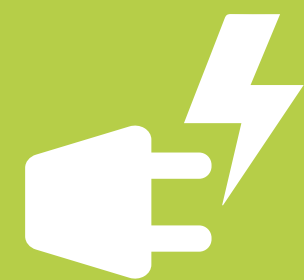
# TIMELINE?







# CHARGE MY STREET



## PLUG IN

Plug your cable into the socket, then into your car.



## USE THE APP

Open the  **Fuuse** app\* from Charge My Street and scan the QR code to start the charge session



## DRIVE

Use the app to stop your charge session, unplug and you're off!

\*Download the app from [www.chargemystreet.co.uk](http://www.chargemystreet.co.uk)

Managed by

Charge My Street **01524 881227**

 [hello@chargemystreet.co.uk](mailto:hello@chargemystreet.co.uk)

Installed by



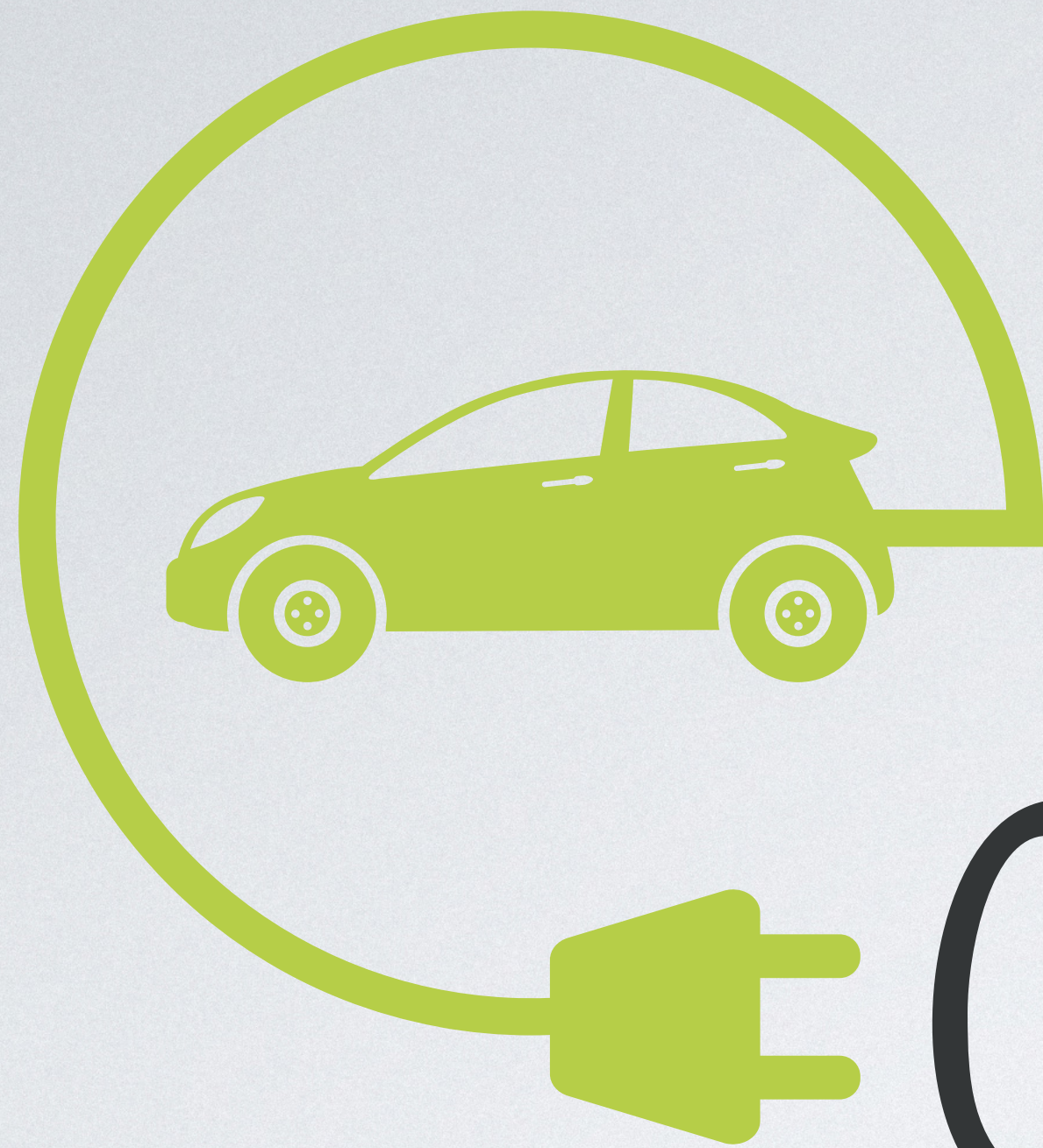
Office for  
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We work with  
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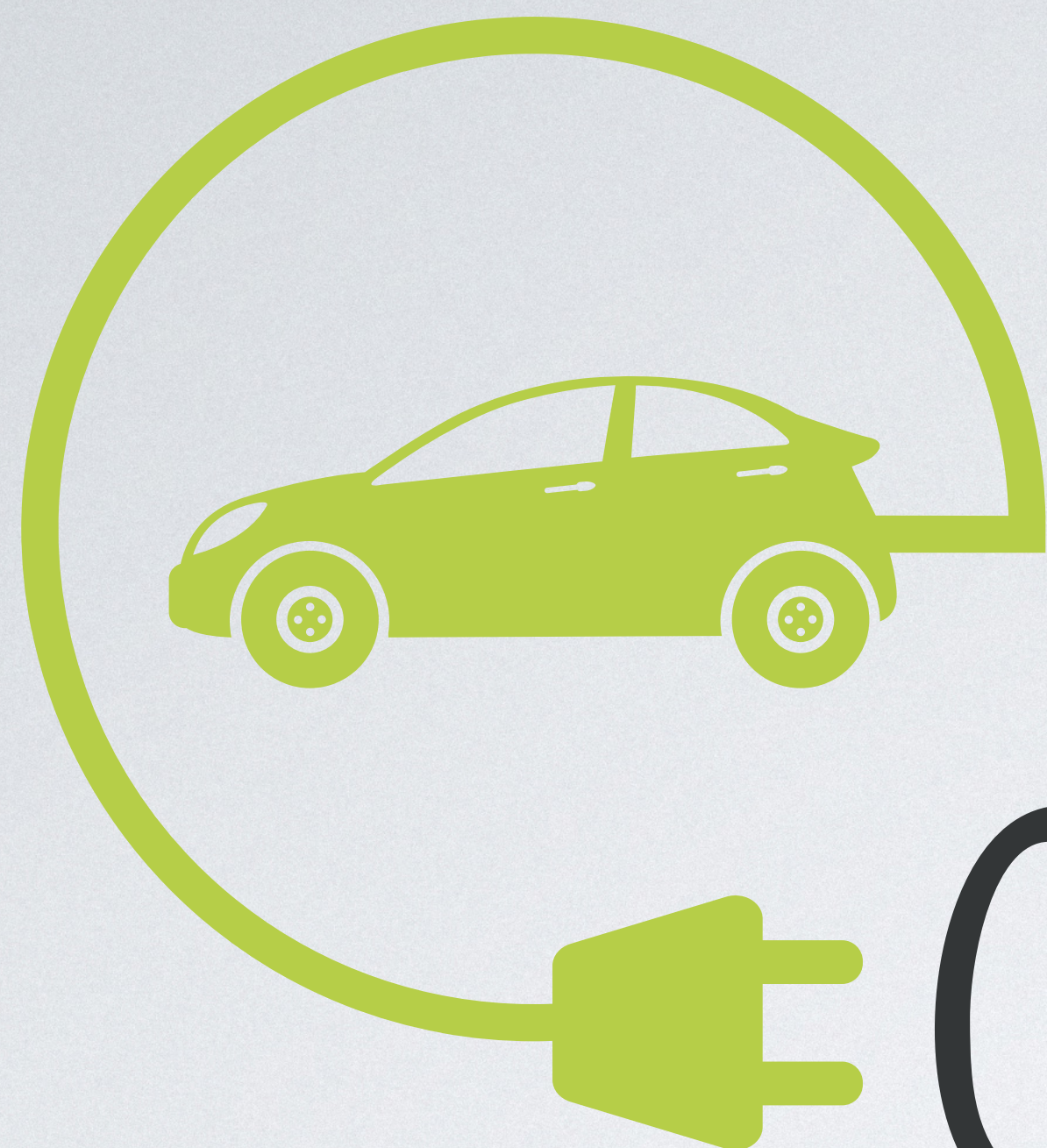


# CHARGE MY STREET

Case studies at

[www.chargemystreet.co.uk/host](http://www.chargemystreet.co.uk/host)





# CHARGE MY STREET

See the FAQs at

[www.chargemystreet.co.uk/faq](http://www.chargemystreet.co.uk/faq)