

EV charging stations 2017 briefing

Why EV?

- Reduce reliance on fossil fuels
- Reduce pollution from fossil fuels
- Evens electricity demand across the day and night
- Reduce the need for base load power stations
- Reduce vehicle maintenance
- Reduce fuel and tax costs

Charging networks

- At least 20 networks including
 - Energy companies
 - Local authorities
 - Environmental organisations
- Each requires the driver to:
 - Register
 - Carry a card

Payment

- Pay as you go
- Subscription
- Free – often at hotels, restaurants, supermarkets etc

Payment methods

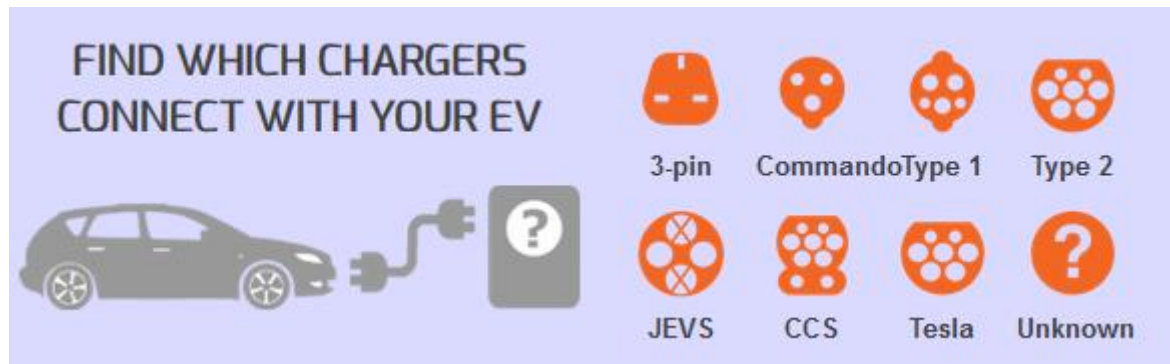
- Coins
- Cards
- Mobile phone

Charging stations

	charge rate	time
	up to	up to
• Slow	3kW	8 hours
• Fast	7-22kW	4 hours
• Rapid	43-50kW	30 mins (80%)
• Supercharge	120kW	40 mins (80%)
• Battery swaps		5 mins

Connector sockets

(illustration from Zap Map)



Wall mounted charging station

£300-£400 inc VAT, excluding installation



Pedestal charging station

Price around £1800 inc VAT, excluding installation



Charging stations within 5 miles of Whalley

- Hackings Caravan Park, Billington
- Mytton Fold Hotel & Golf Club, Langho (free)
- Northcote Manor Hotel, Langho
(for Staff, Visitors or Customers)
- Fort Vale Engineering Limited, Simonstone
(for staff only)
- Perrys Nissan, Blackburn (free)
- Accrington Town Hall

Finding charging stations on the internet

- Zap Map
- Open Charge Map

Future possibilities

- mobile charging stations
- inductive charging mats

More information

- Google: *EV charging stations*
- Zap Map website
- Wikipedia – charging stations
- Office for Low Emission Vehicles (OLEV)

Next steps

- Can we get a charging network to install one?
- If not, should WCHL install one? If so:
- Where?
- What connector type?
- Free or pay? If pay, how do we get paid?
- Could WCHL supply the electricity?
- Could WCHL develop a charging network?