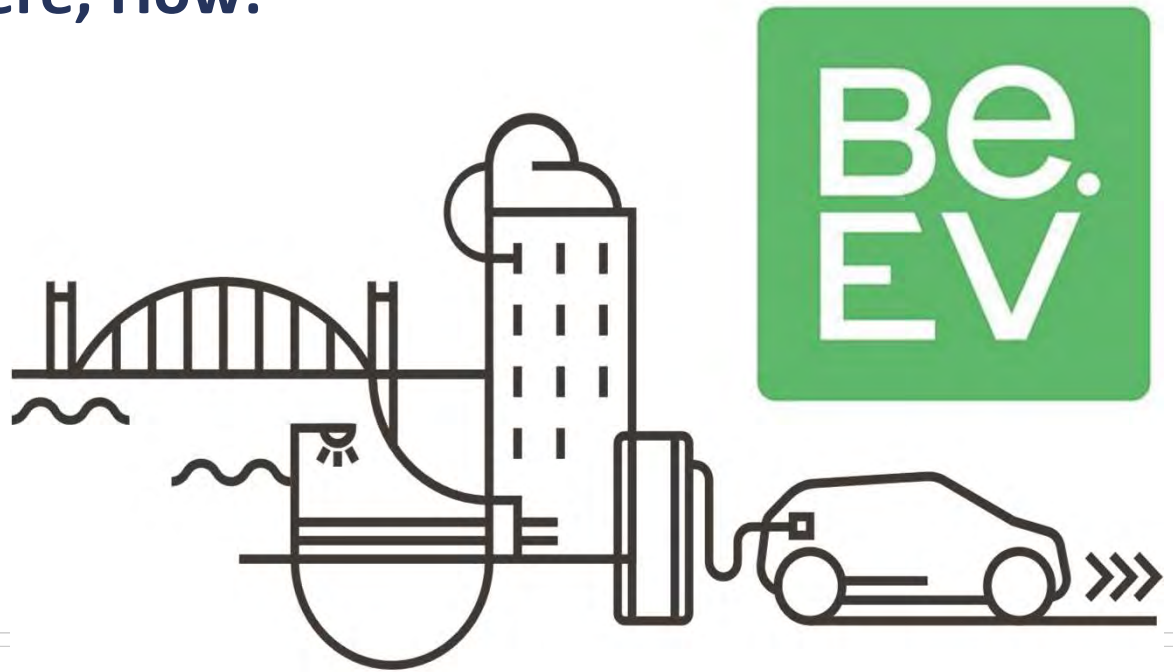


Who, What, Why, When, Where, How: Electric Vehicle Charging

15 September 2021



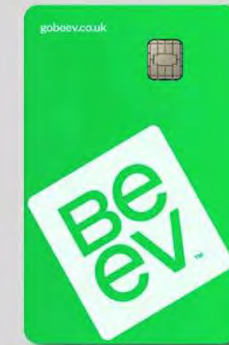
1. Who are we? The Be.EV network

- 6000 EV users in Greater Manchester and the surrounding region
- Greater Manchester's largest publicly available EV charging network, and is rapidly expanding to other areas in the North of England
- Appointed by Transport for Greater Manchester, working closely with the ten local authorities, civic bodies, NHS Trusts, Universities and major private businesses to develop a unified network
- Here to facilitate the transition to electric in the region and help anyone who wants to host/install charging facilities to do so
- The only real local network, working with local supply chain and both public and private sector





Public charging

Fleet

Strategic hubs

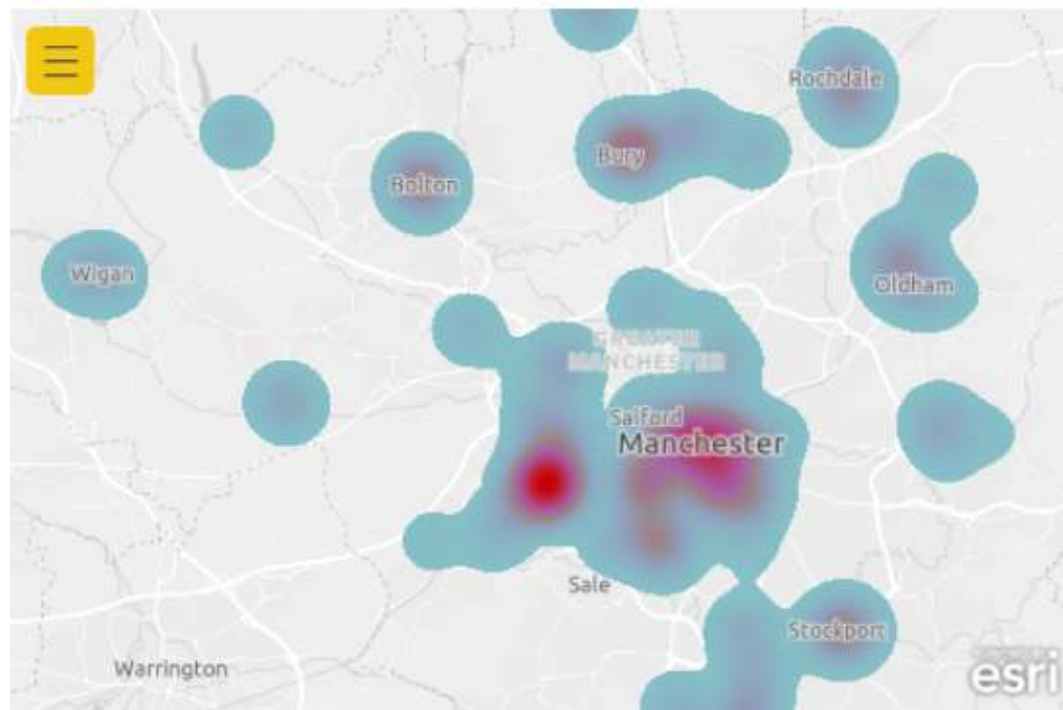
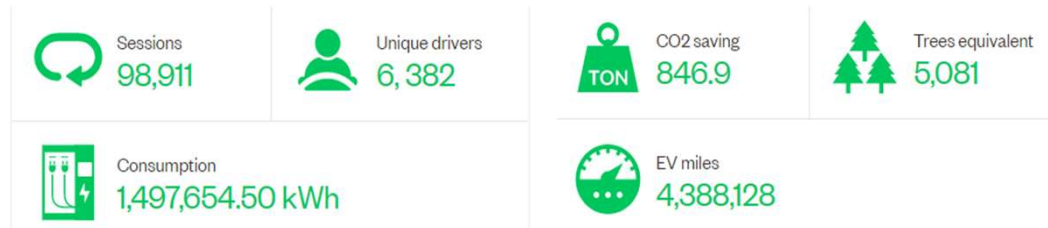


2. What makes for good charging

TYPE	TOTAL PUBLIC CHARGERS	TYPICAL TIME TO CHARGE AVERAGE CAPACITY ELECTRIC VEHICLE TO 80%
SLOW 3kW-6kW	5,277 (23%)	 6-12 HOURS
FAST 7kW-22kW	13,025 (58%)	 1-6 HOURS
RAPID 43kW+	3,353 (15%)	 20-45 MINS
ULTRA-RAPID 100-350kW	838 (4%)	 10 MINS



3. Where to charge? The picture in Greater Manchester



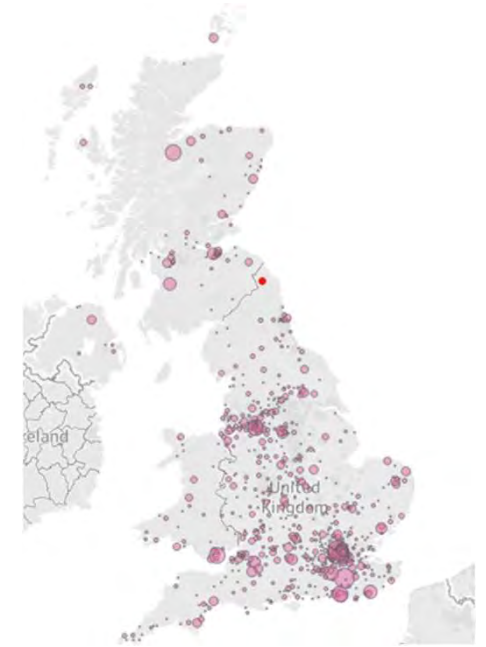
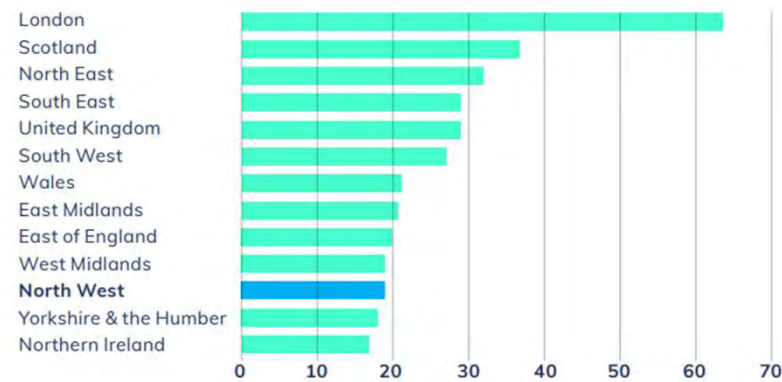
Type	Sessions	Avg sessions per CP/day	Average Hours	KWh per hour
Rapid	2901	6.24	0.87	24.77
Bolton	297	4.79	0.79	30.55
Manchester	549	5.90	0.76	25.62
Oldham	175	5.65	1.29	17.40
Rochdale	392	6.32	0.93	22.27
Salford	230	7.42	0.84	24.91
Stockport	650	10.48	0.85	25.87
Tameside	240	3.87	0.81	28.88
Wigan	368	5.94	0.91	23.06
Total	2901	6.24	0.87	24.77

Type	Sessions	Avg sessions per CP/day	Average Hours	KWh per hour
AC	7117	1.95	3.97	3.54
Bolton	292	1.35	4.27	3.10
Bury	759	3.06	3.86	3.32
Manchester	1679	1.81	5.33	3.08
Oldham	394	0.85	4.61	3.63
Rochdale	208	1.34	4.20	2.98
Salford	1474	2.26	3.30	3.95
Stockport	534	2.15	3.35	4.21
Tameside	194	1.56	4.12	4.45
Trafford	1357	3.37	3.15	3.87
Wigan	226	1.04	3.25	3.89
Total	7117	1.95	3.97	3.54

4. Why invest in EV charging facilities?

- ✓ People drive
- ✓ Political drive
- ✓ Social value creation
- ✓ Staff/Visitor expectations

Number of public chargers per 100,000 of population by region in the UK



1,368 investors across the UK

UK EV uptake has been limited to date in the UK

1

Range anxiety

2

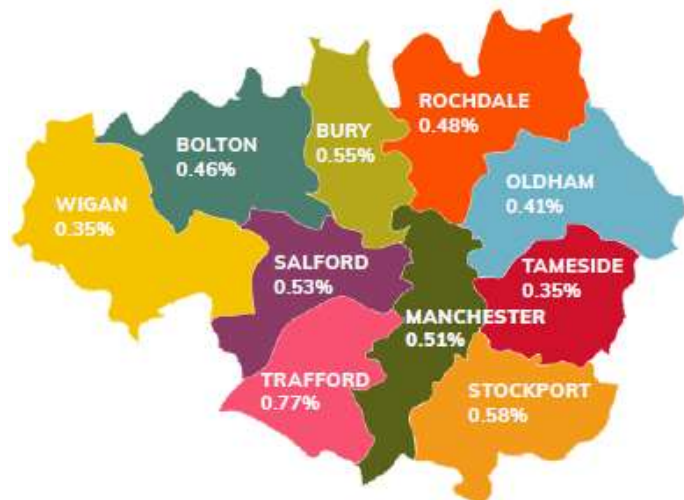
Selection of
vehicles

3

Price of vehicles

5. When? Now!

- Climate Emergency
- Clean Air Zone
- Target Zero / Net Zero commitments



6. How much does it cost?

Self-funded

8 x



- **c. £40k**
- + Power upgrade
- + Maintenance
- + Lifecycle
- + Emergency make safe
- + Connection
- + Back office
- + Customer support

4 x



- **c. £100k**
- + Power upgrade
- + Maintenance
- + Lifecycle
- + Emergency make safe
- + Connection
- + Back office
- + Customer support

By becoming part of a public charging network like Be.EV

£0

- Fully funded, full-life solution for landlords, fleet operators, retailers, employers
- Provide value-add to customers, staff, visitors, managers



Thank you!

Any Questions?



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Exhibition stand (indoor marketplace)



www.be-ev.co.uk



[@BeEV_Charging](https://twitter.com/BeEV_Charging)



Be.EV

