

# SCOTS Network: Update on EV Infrastructure

---

Alastair Young

9<sup>th</sup> May 2024



# EV Uptake – Cars & Vans

## ZEV Mandate

**22%**

**V**

**15-17%**

## EV Uptake

**55,300**

**V**

**72,000\***



*Sources:*

[New AutoMotive - Accelerating the switch to electric UK new car registration data, UK car market - SMMT](#)

**NEVIS**  
DELIVERED BY CENEX

[Home](#) [About](#) [Services](#) [News](#) [Contact](#)

[Log In](#)

[SIGN UP](#)

**Cenex and Experian UK&I join forces to support local authorities with hyper-local Electric Vehicle projections**

[local authorities with hyper-local Electric Vehicle projections](#)

# EVI - Where are we today?

Total Installed Devices   31 March 2024   Public				
	AC	DC <100kW	HPC	Total
ChargePlace Scotland	2,210	647	4	2,861
Private Sector	1,416	389	435	2,240
<b>Total</b>	<b>3,626</b>	<b>1,036</b>	<b>439</b>	<b>5,101</b>
<i>Private Sector %</i>	39%	38%	99%	44%

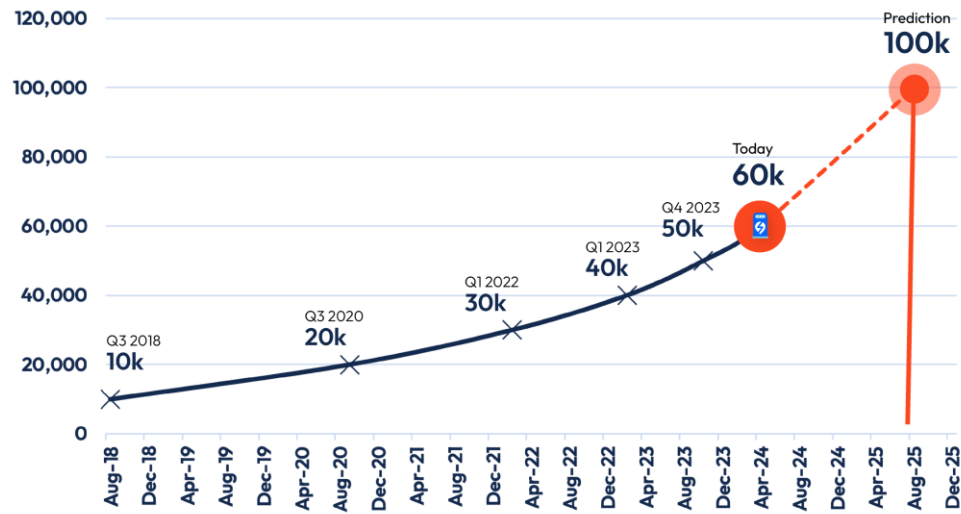
%age AC
77%
63%
71%

## Quarterly Run Rate

Run Rate of Installed Devices   Q1 2024   Public				
	AC	DC <100kW	HPC	Total
ChargePlace Scotland	+135	+13	+1	+149
Private Sector	+203	+29	+100	+332
<b>Total</b>	<b>+338</b>	<b>+42</b>	<b>+101</b>	<b>+481</b>
<i>Private Sector %</i>	60%	69%	99%	69%

# EVI - Where are we today - UK?

UK milestone: 60k EV charge points  
April 2024

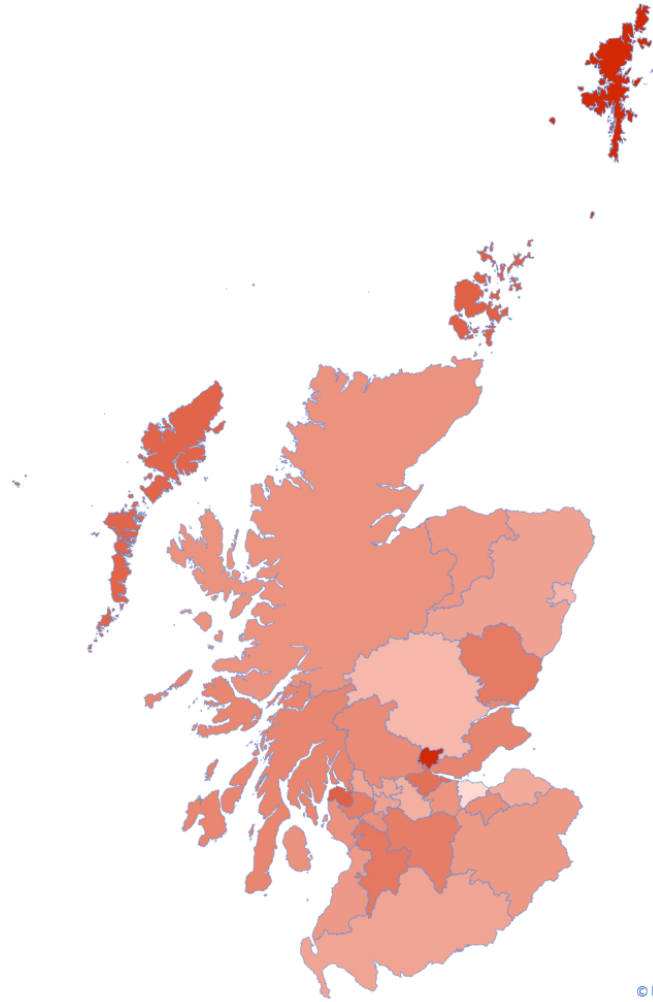


Source: Charge devices on Zapmap database, April 2024.



## CPS Devices by Local Authority Area

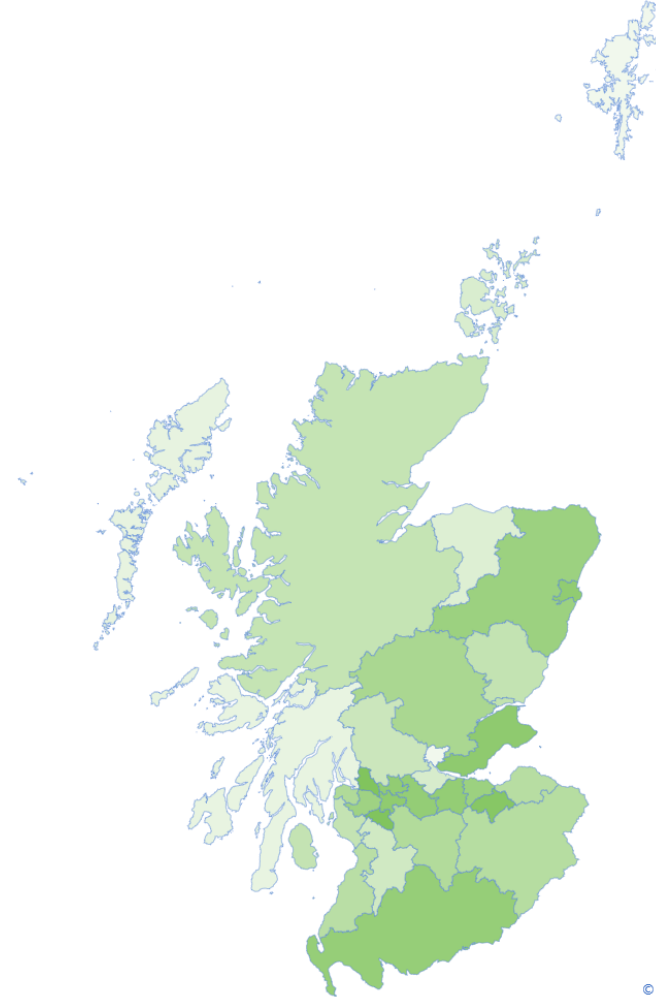
CPS Share  
42.4% 100.0%



Powered by Bing  
© Microsoft, Open Places

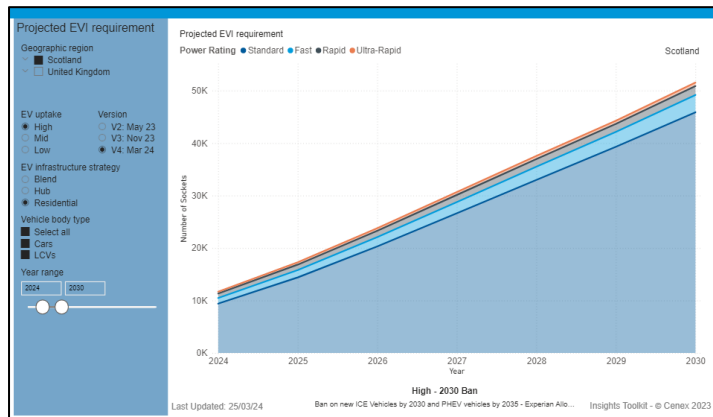
## 50kW+ Private Sector Devices

Private Sector Market Share  
0% 86%

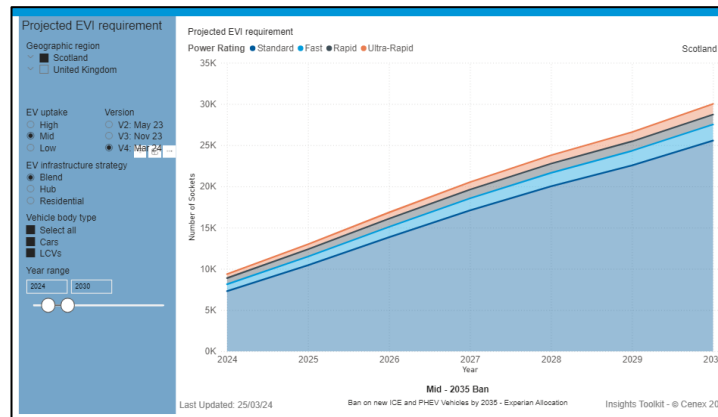


Powered by Bing  
© Microsoft, Open Places

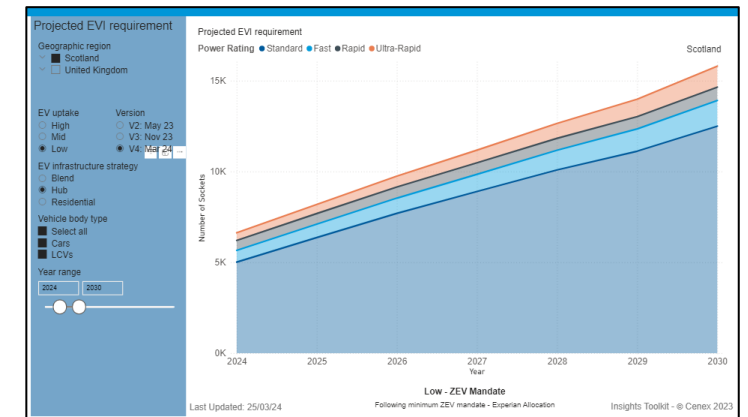
# Where do we need to be?



**High EV Uptake  
Residential Focus  
c. 50,000**



**Mid EV Uptake  
Blended  
c. 30,000**



**Low EV Uptake  
Hub Focus  
c. 16,000**

Source



# Looking at Others



**Population**  
**Passenger Cars**  
**Total BEV**  
**BEV New Car Sales**  
**Public Chargepoints**

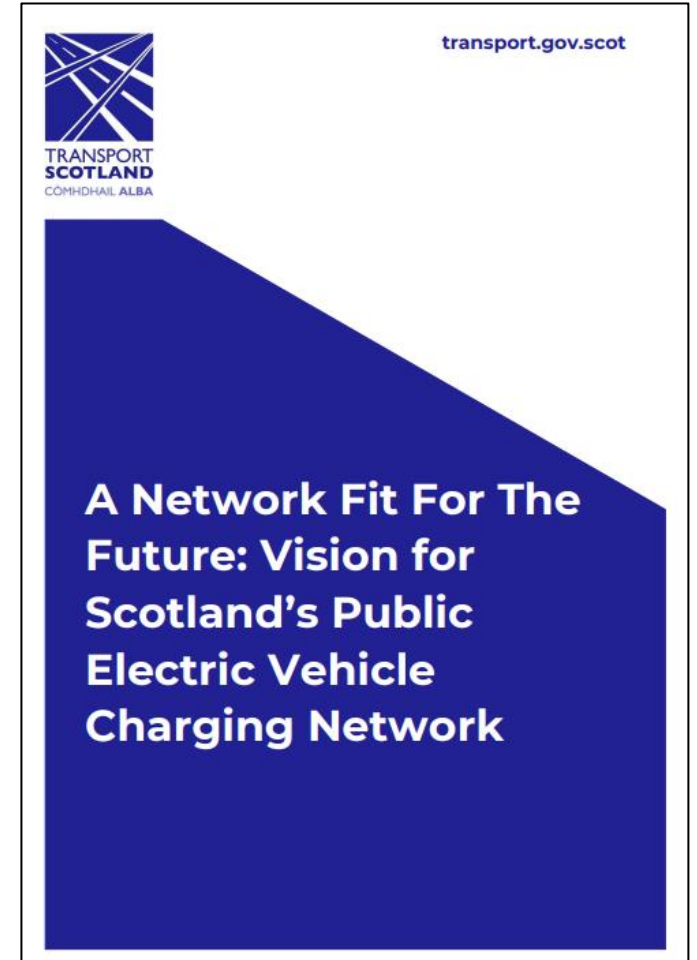
**5.5m**  
**2.8m**  
**714,000**  
**82%**  
**28,500**

**5.5m**  
**2.5m**  
**55,000\***  
**22%\***  
**5,100**

Source [Statistikk \(nobil.no\)](https://statistikk.nobil.no)  
[Statistics electric cars - Norwegian Electric Vehicle Association \(elbil.no\)](https://statistics.electriccars.no)

# The Right Charger in the Right Place

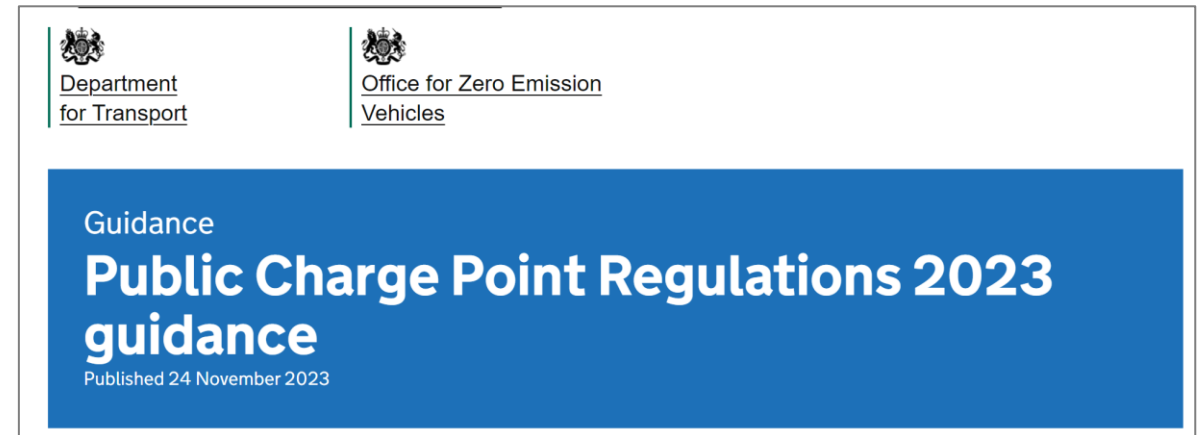
- **Comprehensive**
- **Convenient**
- **Works for Everyone**
- **Crowd in Private Investment**
- **Clean Energy**
- **Smart Tariffs**





# Public Chargepoint Regulations

- **Contactless >8kW (not existing)**
- **Roaming**
- **99% Reliability (Rapids)**
- **24/7 Helpline**
- **Open Data**
- **Pricing Metric**



# Charge UK Recommendations

**Accelerating grid connections**

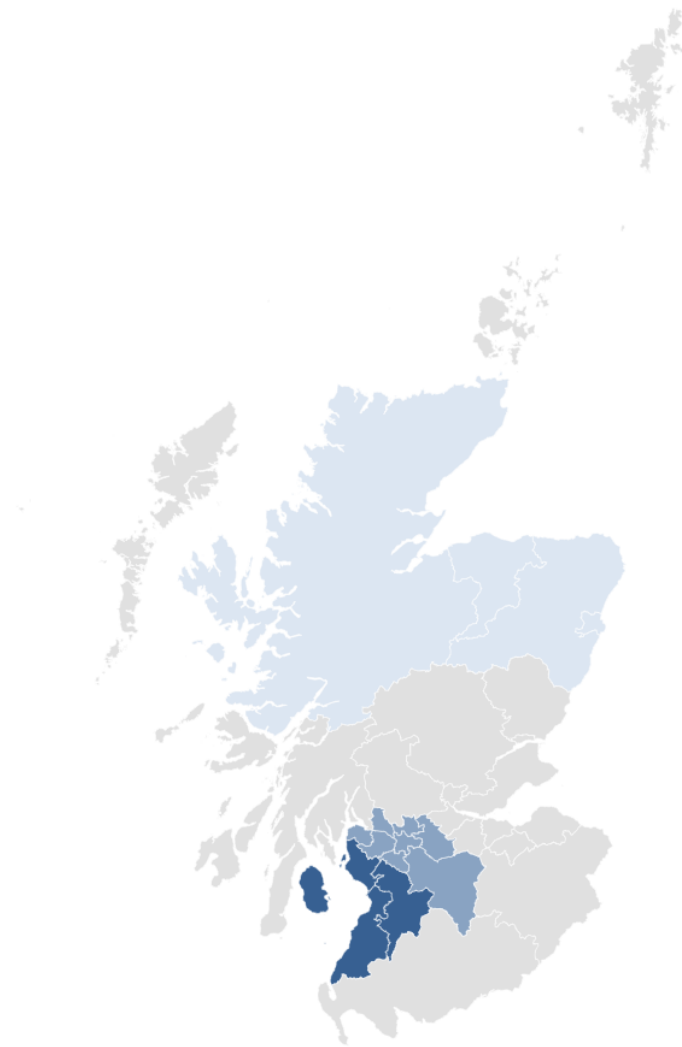
**Improving public funding and procurement**

**Simplifying planning, permits and consultations**

**Improving the commercial viability of sites**

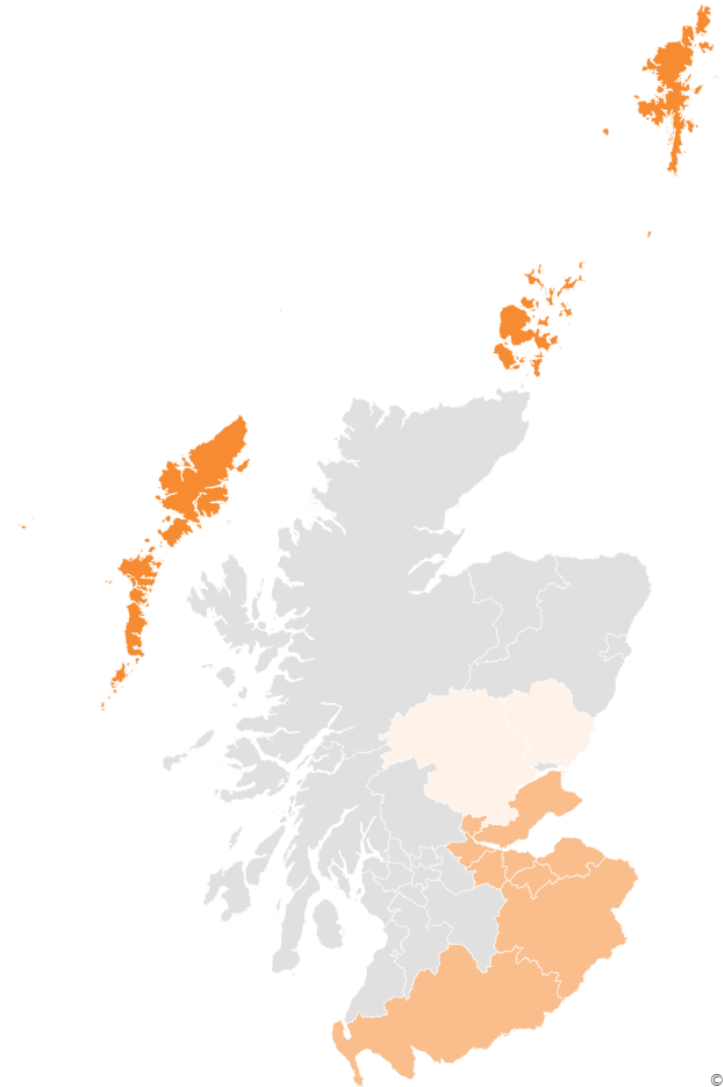


## Current Collaborations for EVIF Delivery



Powered by Bing  
© Microsoft, Open Places

## Emerging Collaborations for EVIF Delivery



Powered by Bing  
© Microsoft, Open Places

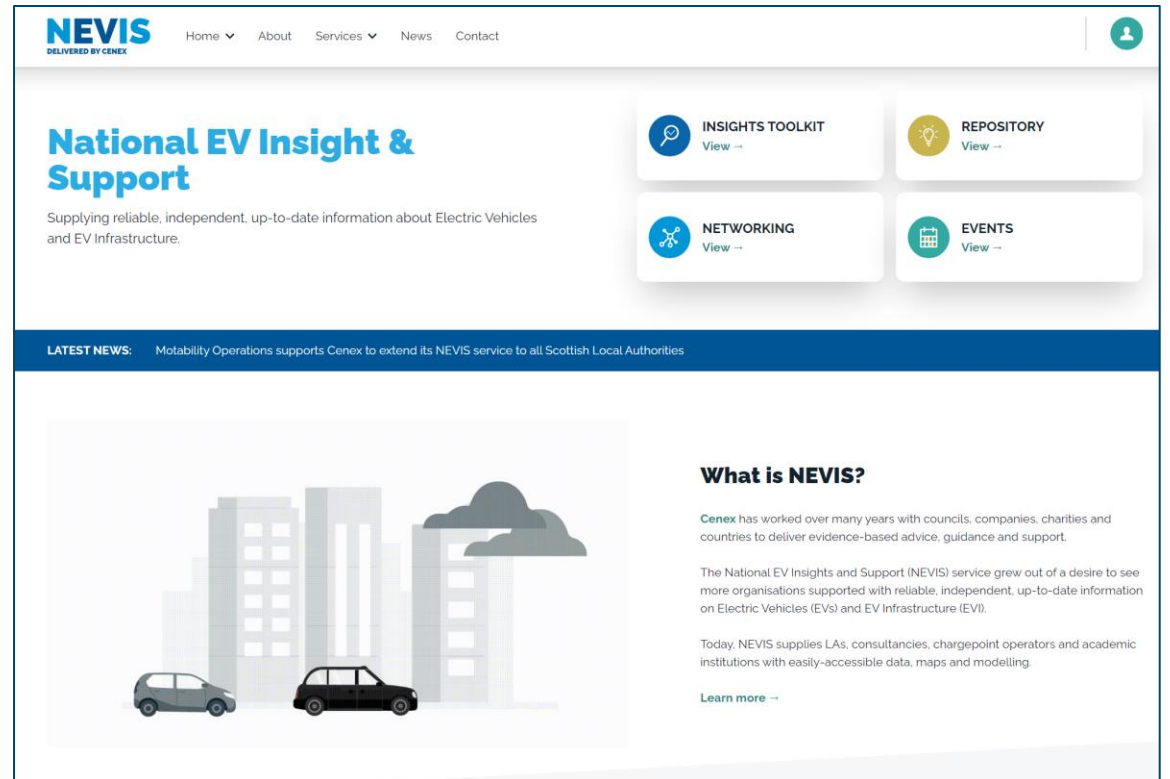
# EVIF Emerging Themes

- c. 6,500 new EVCPs proposed
- c. £100m of investment envisaged
- c. 90% private funding in some urban areas
- Significant collaboration and joint working
- Most considering a concession type model
- Governance and approvals
- Low utilisation in rural areas
- Resourcing procurement
- Market capacity and competing opportunities

# EVIF Guidance & Support

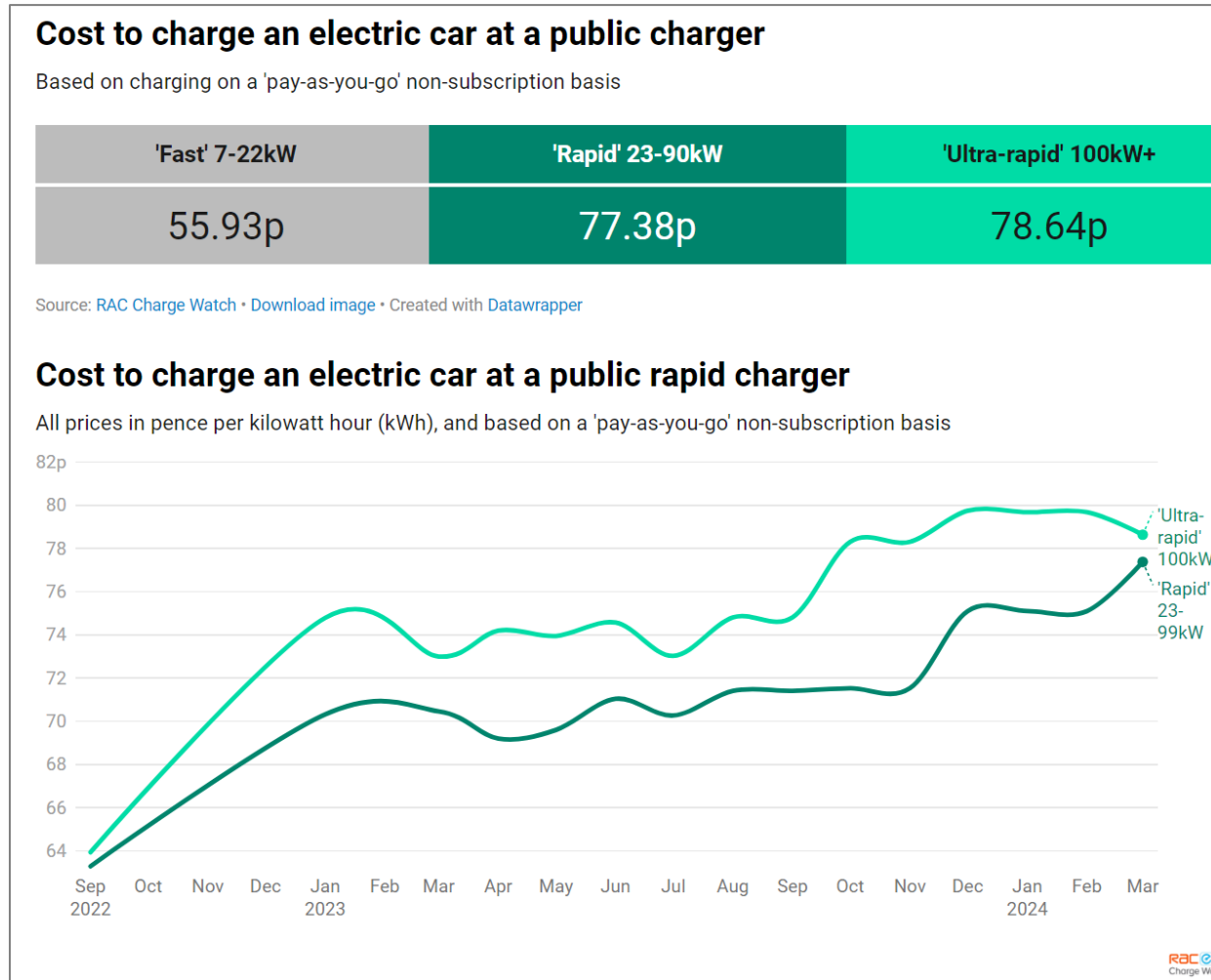


[Net Zero Transport - Workstreams - Scottish Futures Trust](#)



[Motability Operations supports Cenex to extend its NEVIS service to all Scottish Local Authorities](#)

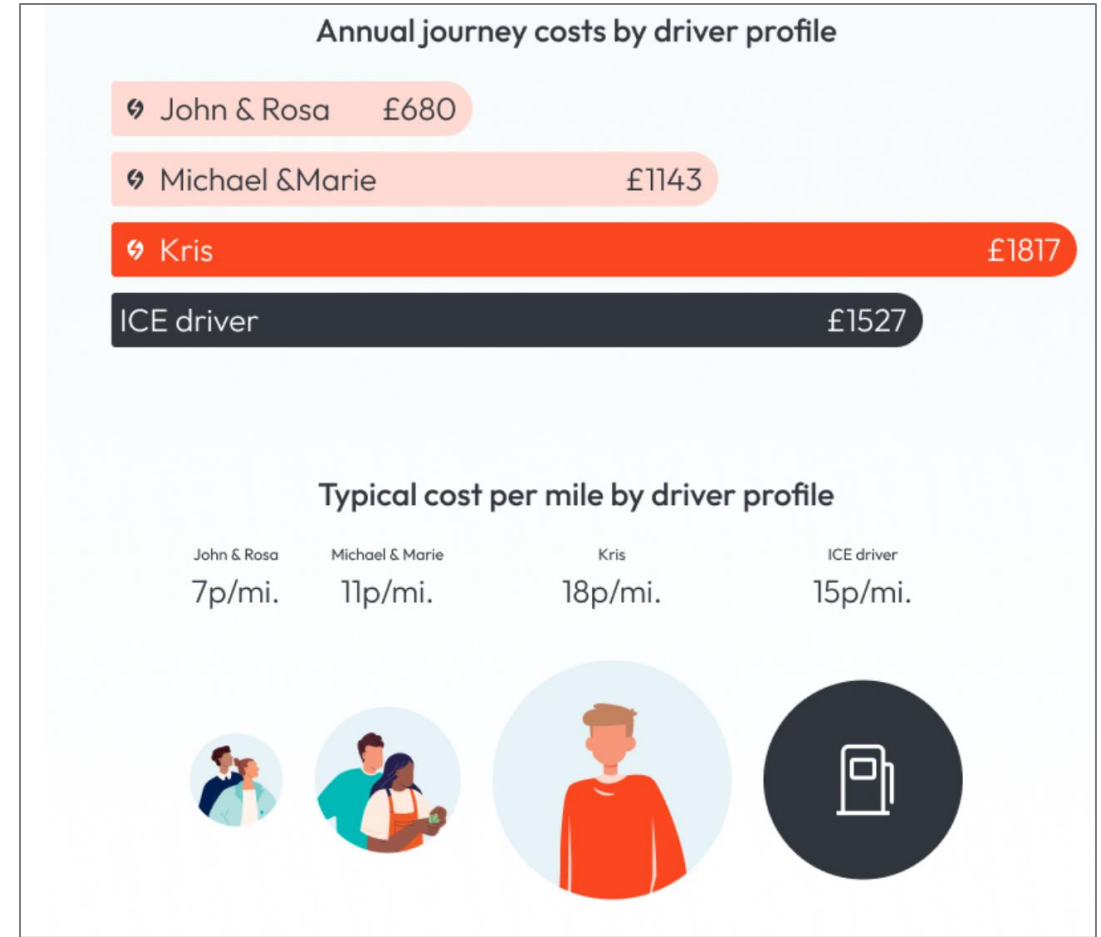
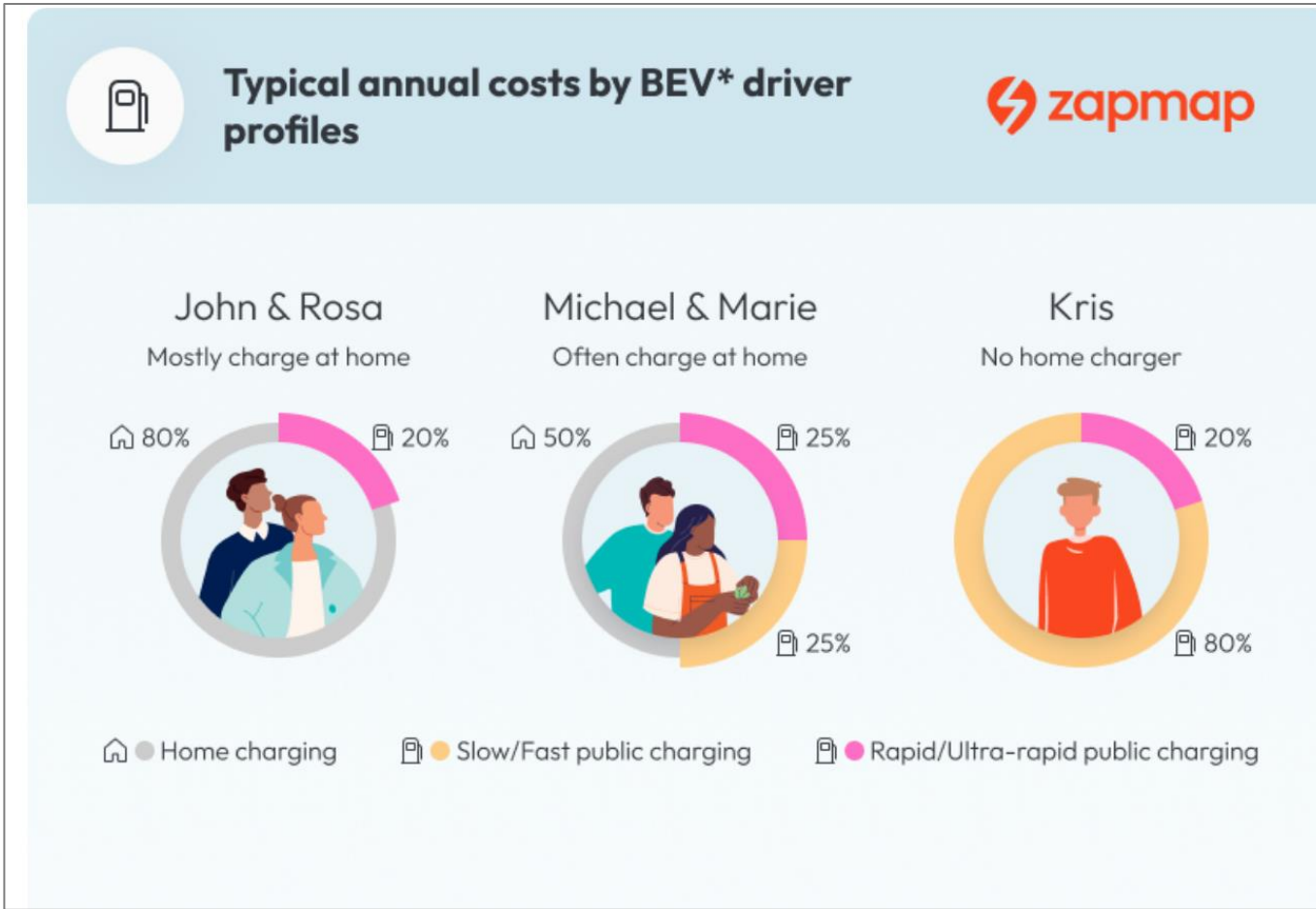
# Tariffs – Market Rate?



Local Authority	AC Rate	DC Rate
Aberdeen City	£0.47	£0.47
Aberdeenshire	£0.47	£0.47
Angus	£0.55	£0.55
Argyll & Bute	£0.45	£0.45
City of Edinburgh	£0.45	£0.55
Clackmannanshire	£0.50	£0.75
Dumfries & Galloway	£0.55	£0.55
Dundee City	£0.45	£0.55
East Ayrshire	£0.31	£0.37
East Dunbartonshire	£0.40	£0.70
East Lothian (peak)	£0.45	£0.80
East Renfrewshire	£0.40	£0.70
Falkirk	£0.48	£0.69
Fife	£0.15	£0.15
Glasgow City	£0.40	£0.70
Highland	£0.35	£0.70
Inverclyde	£0.50	£0.75
Midlothian	£0.42	£0.60
Moray	£0.43	£0.56
Na h-Eileanan Siar	£0.45	£0.59
North Ayrshire	£0.31	£0.37
North Lanarkshire	£0.40	£0.70
Orkney Islands	£0.30	£0.38
Perth & Kinross	£0.45	£0.50
Renfrewshire	£0.45	£0.75
Scottish Borders	£0.30	£0.60
Shetland Islands	£0.47	£0.57
South Ayrshire	£0.31	£0.37
South Lanarkshire	£0.40	£0.70
Stirling	£0.45	£0.59
West Dunbartonshire	£0.40	£0.50
West Lothian	£0.40	£0.50

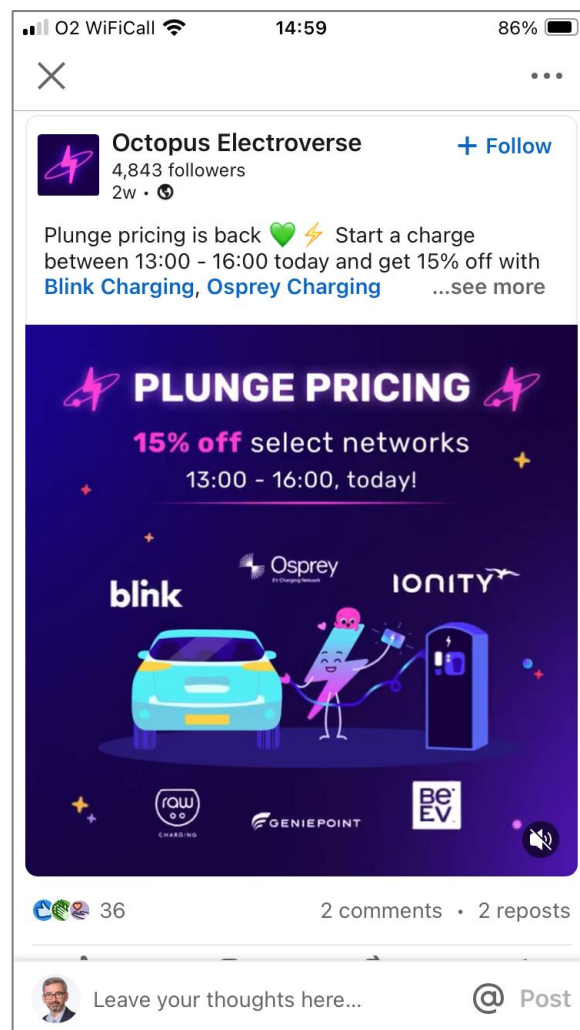
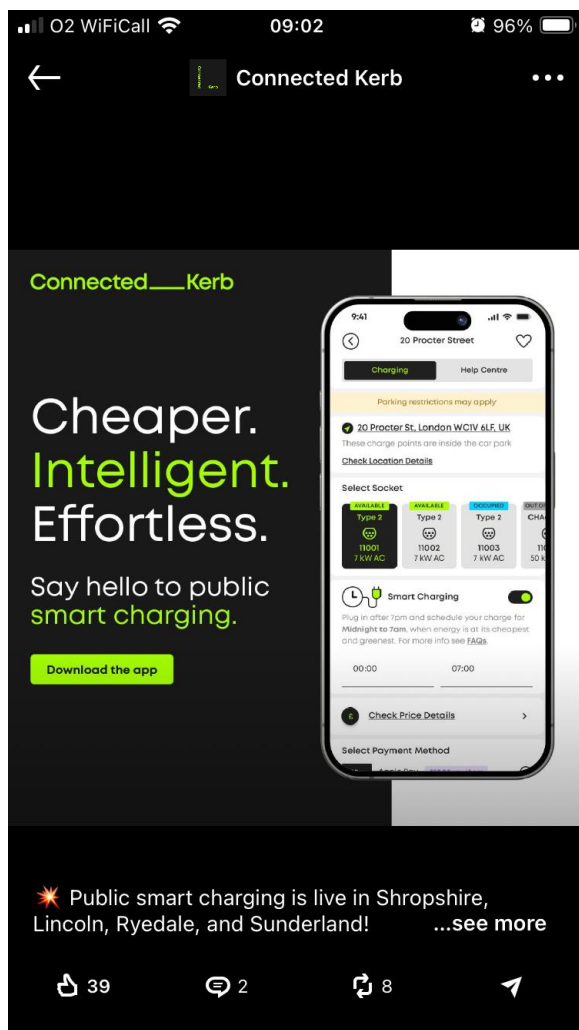


# Tariffs





# Flexible Tariffs



Charger Type	Peak	Off-peak
	(4-8pm)	
On-Street chargers	£0.45	£0.35
Destination chargers	£0.45	£0.35
Journey chargers (43-50kW)	£0.75	£0.60
High-power Journey chargers (> 50kW)	£0.80	£0.65



Aberdeenshire Council	Rapid Charger	£0.47	£0.47
Aberdeenshire Council (DAY 08.00am-20.00pm)	Slow Charger	£0.47	£0.47
Aberdeenshire Council (DAY 08.00am-20.00pm)	Fast Charger	£0.47	£0.47
Aberdeenshire Council (NIGHT 20.00pm-08.00am)	Slow Charger	£0.27	£0.27
Aberdeenshire Council (NIGHT 20.00pm-08.00am)	Fast Charger	£0.27	£0.27

# New On-Street Developments




**Cross Pavement Solution Trial in Stirling**



BT Group powers up first EV charger transformed from a green cabinet, available to the public free of charge as part of nationwide pilot





# Q&A

---

SCOTTISH  
FUTURES  
TRUST

Alastair Young

[alastair.young@scottishfuturestrust.org.uk](mailto:alastair.young@scottishfuturestrust.org.uk)