




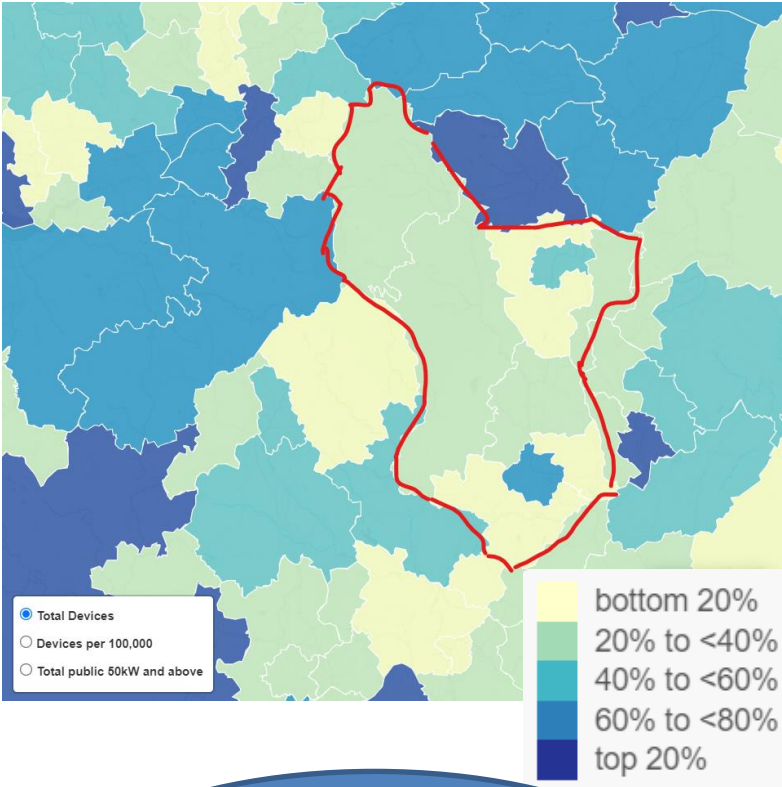
LGA Roundtable Discussion Derbyshire County Council EV Infrastructure

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JUNE 2024

Derbyshire County Council Update

1. ORCS delivery through districts & boroughs
 2. Development of Derbyshire EV charging infrastructure
 3. Ongoing EV Public Survey
 4. LEVI funding update
 5. Rapid charge project
 6. EV pool cars to reduce internal grey mileage pilot
 7. Current position on cross pavement grant
 8. Launch of the Markham Vale EV Hub
- 

Charge point provision up to 2023



337 Charge points across Derbyshire

42.3 CP per 100,000 pop

Up from 286 from June update report

Up from 35.9 in June

National EV Insight & Strategy | Delivered by Cenex – Projected Chargepoint requirement

Chargepoint type (by output)	2025	2030
7 kWh	651	2709
22 kWh	88	205
50 kWh	37	99
150 kWh	10	57
TOTAL	786	3,070

Districts, Boroughs and County delivering their individual ORCS bids.

Work undertaken to Dec 2023

Developing
Derbyshire's EV
Strategy
(April – August
2022)

- Jacobs appointed by Derbyshire County Council
- Stakeholder engagement workshops held with Districts & Boroughs
- Derbyshire EV strategy developed with the Districts & Boroughs
- Strategy used to inform next phase:- developing procurement and commercial model for charge point installation across the County

Soft-market Testing
and
District/Borough
Engagement
(Nov 22 – Feb 23)

- Soft-marketing with CPO's to discuss preferred commercial models and procurement terms
- Individual workshops with District/Boroughs to discuss procurement/contracting route and packaging of sites
- Options and recommendations report issued to all Districts & Boroughs

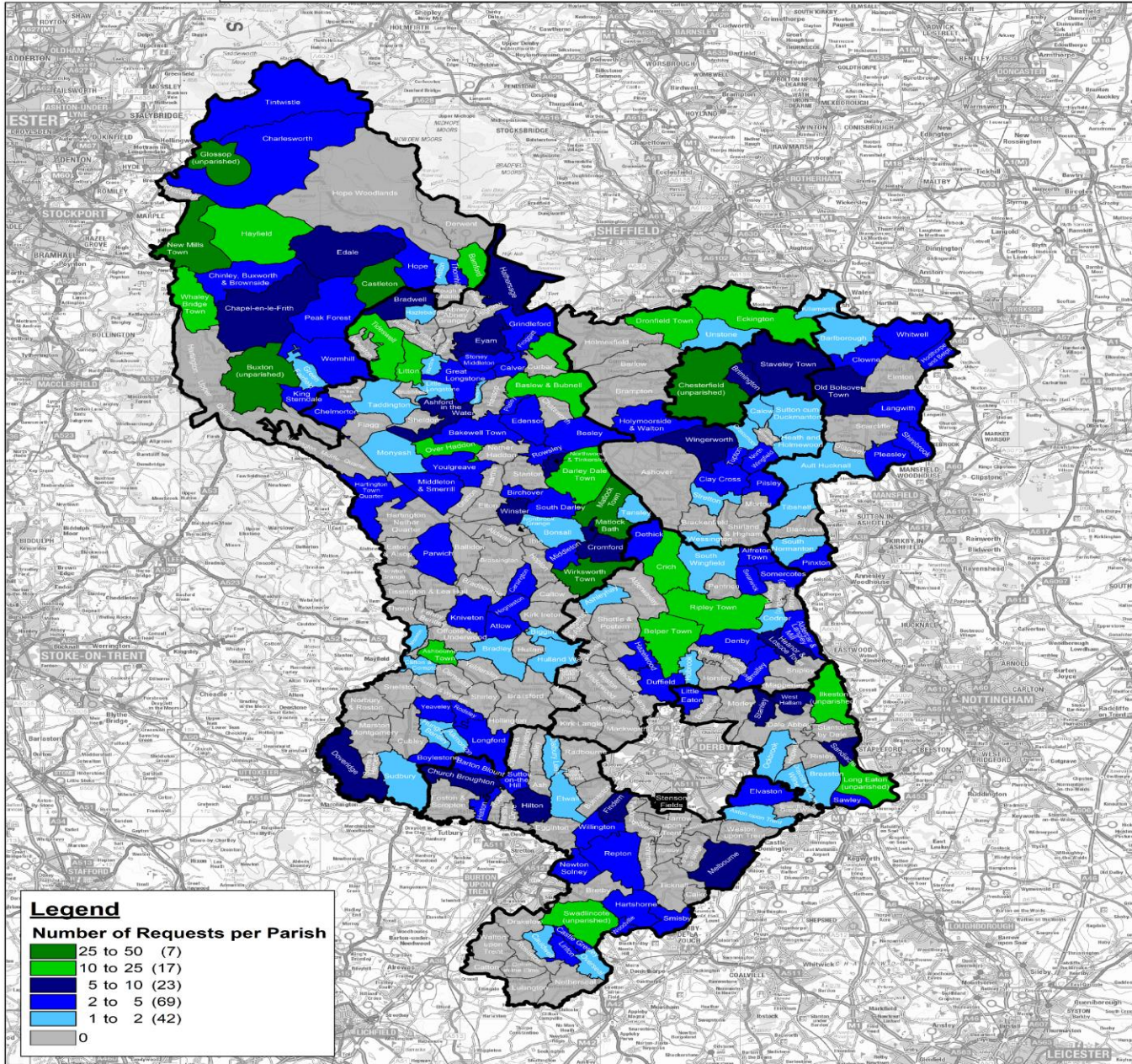
Procurement
Exercise
(July - Dec 23)

- Updated site list (short and long lists)
- Ongoing stakeholder engagement
- Actioning procurement for 50+ charge points
- Residential charging and LEVI Business Case

Ongoing Public Survey across- Derbyshire

- Just under 900 responses so far
- Overwhelming response was for more chargers even though around 63% of responders do not yet own an EV
- 723 wanted to see more residential charging.
- 365 do not have any off-street parking
- 704 wanted more destination chargers
- 630 wanted more in transit chargers
- 554 are either considering (404) or not thinking about owning and EV yet (150)
- Survey is still open
- [Electric vehicle charging in your area 2024 - Derbyshire County Council](#)

MAP SHOWING
RESPONSES BY D AND
B AREAS



£6.6m LEVI funding approved



3,000 LAMP COLUMN CHARGERS (£2.5m)

- Mostly 5 kW & operated as a concession contract with ongoing revenue share for 15 years of the contract.
- Grant Offer Letter and MoU was signed and returned to OZEV on 15th March.
- CAVEAT - Post Approval Action Plan required (PAAP).
- This provides for 90% of funding
- Deadline for completion of PAAP and issuing ITT is 14th June
- Deadline for having a contract in place with CPOs is 15th Nov



RESIDENTIAL AREA ON-STREET CHARGERS (£4.1m)

- Up to 2,000 charger points at 800 sites - mostly 7 kW
- Led by Midland Connect in conjunction with D2N2 region
- Grant Offer Letter, MoU and PAPP Caveats as above.
- Prior to any procurement PAPP needs to be completed and approved by OZEV
- Deadline for completion of PAAP and issuing of revised ITT is 14th June
- Deadline for having a contract in place is early 2025

Legal Issue just in.

Procurement:

- Almost all Local Authorities are using the Oxford City Council Dynamic Purchasing System (DPS) and are procuring EVCI through a concession contract.
- New legal advice from OCC is that the DPS is not suitable for a concession contract as CPOs not winning the contract could challenge the award.
- Also, DPS only allows for total value of contract to be <£5.3m over its lifetime which includes; award + private sector investment and revenue (we think).
- Requires all ITT documentation to be amended for an open tender approach
- This will probably affect the lamp column project but will definitely impact the Midlands Connect on-street chargers project as grant award is already over this figure
- For lamp columns = award (£2.5m) + private sector investment (circa £2m) + revenue (?)
- This may affect the timelines mentioned previously as govt are looking into a formal legal response

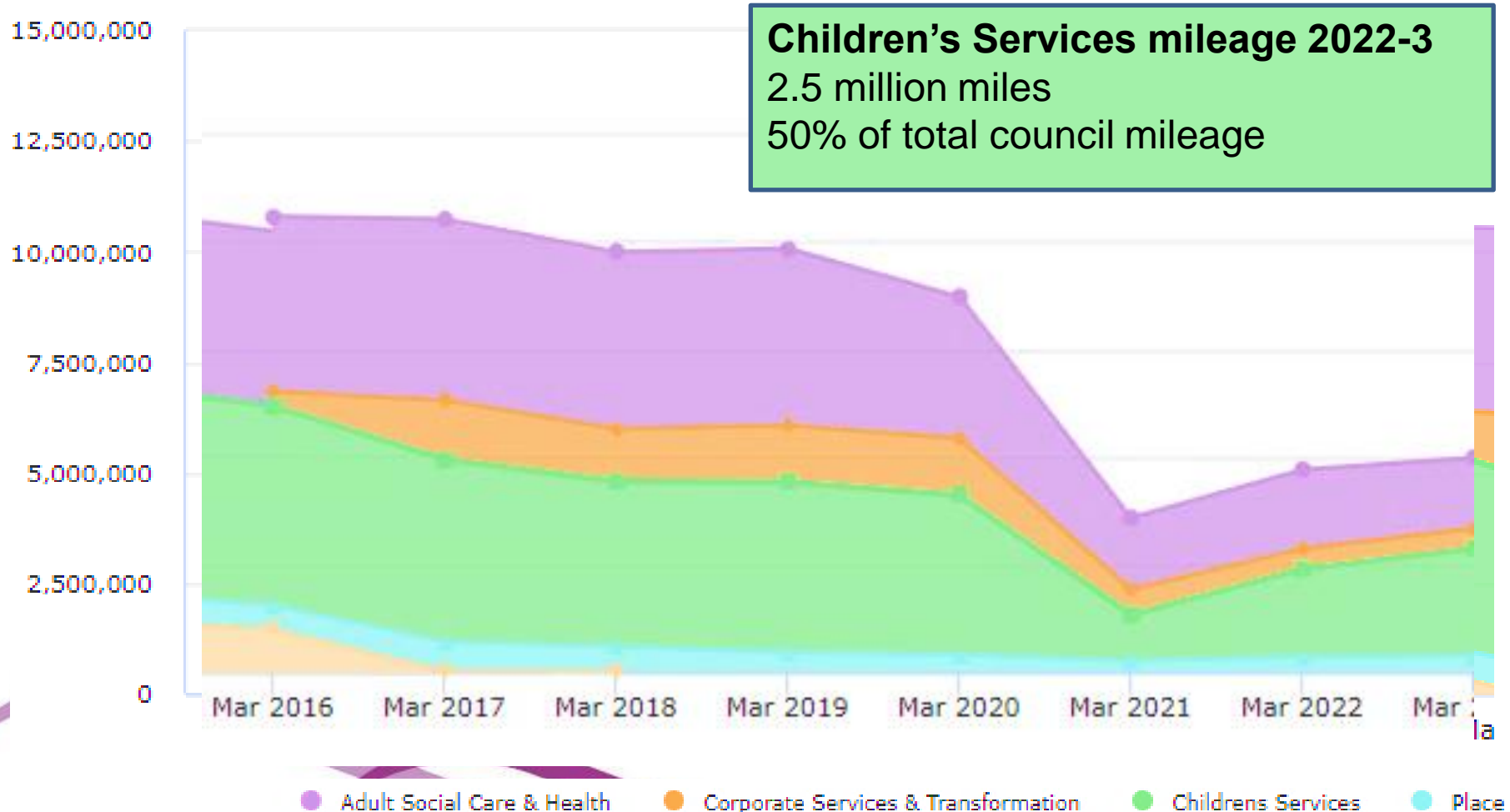
Destination Charging Project - Private Sector funded and led by Jacobs.

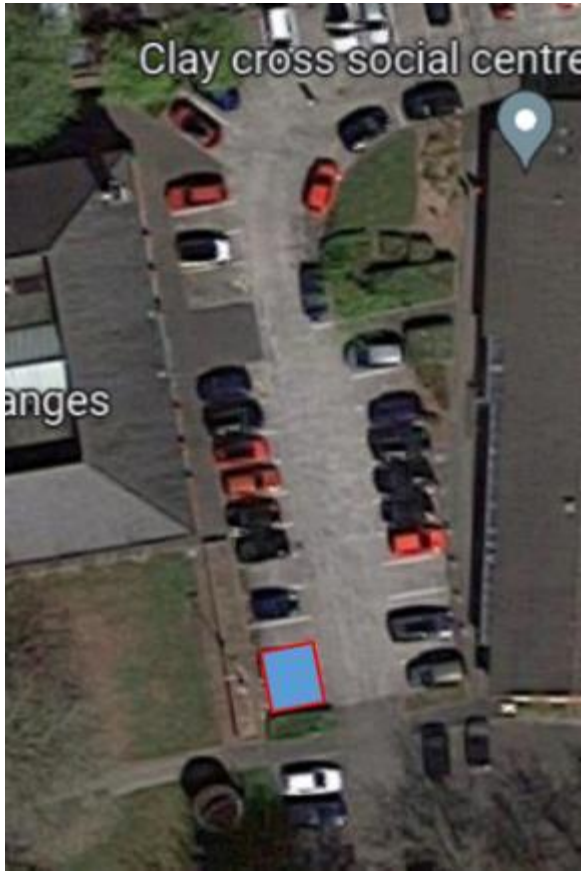


- Rapid and Ultra Rapid Charges – 50 kW & above.
- Private funding.
- Working group set up by Jacobs to represent all Districts, Boroughs & other stakeholders
- Finalising 40 destination sites throughout Derbyshire.
- Procurement starts this summer
- Charge point operator in place by March 2025.

EV fleet pool cars to reduce grey miles.

Grey fleet mileage by department





Dedicated charging and parking spaces



Two electric vehicles
(One with DCC branding, one without)

A screenshot of the 'Book an Electric Vehicle' app interface. The header shows the Derbyshire County Council logo and the text 'Power Apps | Book an Electric Vehicle'. The main title is 'Book an Electric Vehicle'. Below this, there are three input fields: 'Date:' with the value 'Mar 28, 2024', 'Time:' with the value '00:00 - 00:00', and 'Driver Name:' with the value 'Tom Veitch (Place)'. To the right of these fields, it says 'Select a available electric vehicle' and '4 cars available for booking'. Below this, there is a card for 'Electric Car BF69VDC (Place) - Brim Workshops' with a purple 'BOOK' button.

Booking app (via Our Derbyshire)

EV Optimisation - Goldilocks

Over-use

160-mile round trip.

(or 100-mile morning trip before fully-booked afternoon).

6 back-to-back bookings per day

Good use

10-20 miles for each hour of use.

Max 70 miles per half-day.

Under-use

5-mile journey for 3-hour meeting.

Not used every day.

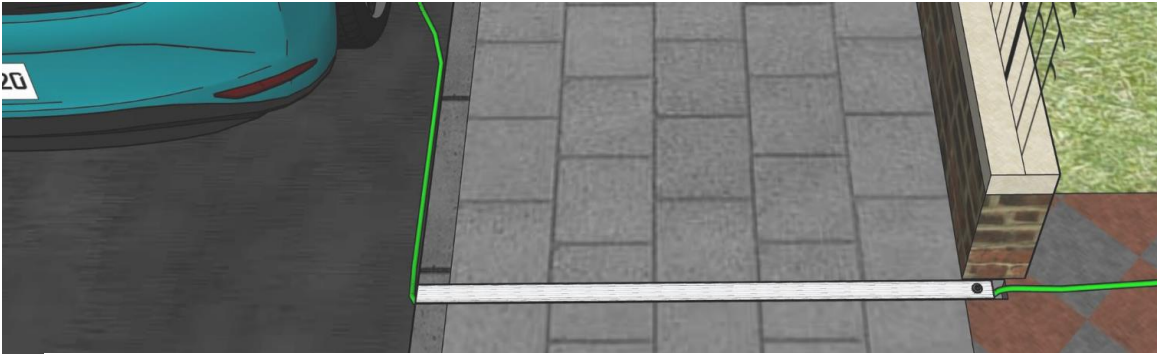
Cross Pavement Grant

- Late March UK Government announce available funding will be made available to households that have no off-street parking
- The grant provides EV drivers with support towards the costs of the purchase and installation of EV chargepoints at residential properties that now includes installing a cross-pavement charging solution.
- Householders can get 75% off the cost to buy and install a socket, up to a maximum of £350.
- Funding caveat of cross pavement grant:

“In order to be eligible for this grant you must have all relevant permissions from the local planning and relevant highways authority (where the highway is public land).

The cross-pavement solution market is nascent and not all planning, highways authorities, devolved administrations and private landowners currently approve their installation. Some are still developing internal policies tailored to their local area and the required permissions may vary.”

- To date no guidance has been issued to councils about how they should respond



- **Lockable** - prevents third-parties taking the cable out and leaving a trip hazard along the pavement.



- **Anti-trip lid** - self-shutting via a robust spring mechanism, anti-slip and removes the gap in the pavement (e.g. for stilettos).



- **Durable** - entirely made of UV and corrosion resistant metal compliant with the British Standard for gully tops and manhole tops.



Current Derbyshire CC position.

- DCC have had lots of enquiries from the public direct and via MPs, councillors and senior managers.
- People are wanting to use these as utilising their own electricity is cheaper than using a CPO's infrastructure
- Has the potential to undermine both the lamp column and on-street project
- Up to now DCC have not allowed this and cite The Highways Act

Highways Act Section 178, Paragraph 1 states:

“No person shall fix or place any overhead beam, rail, pipe, cable, wire or other similar apparatus over, along or across() a highway without the consent of the highway authority for the highway, and the highway authority may attach to their consent such reasonable terms and conditions as they think fit.”*

- DCC Highways Team to look at how they want to proceed in the next couple of weeks.

MARKHAM VALE HUB



- Works has now started on a major EV only charging service area off M1 J29a
- 30 Medium and High Power electric vehicle chargers. Supplied by 100% net zero carbon energy
- Multiple charging connectors that cater for all types of electric vehicles with contactless payment
- Waiting lounge with WiFi, retail, a children's play area and a dedicated EV educational space to increase understanding and awareness around electric vehicles.
- Will include disabled parking, access ramps, accessible washrooms and lifts to all areas
- Completion of the project is "winter"

MARKHAM VALE HUB

