



Forest of Dean
— DISTRICT COUNCIL —

Electrification of Waste Fleet

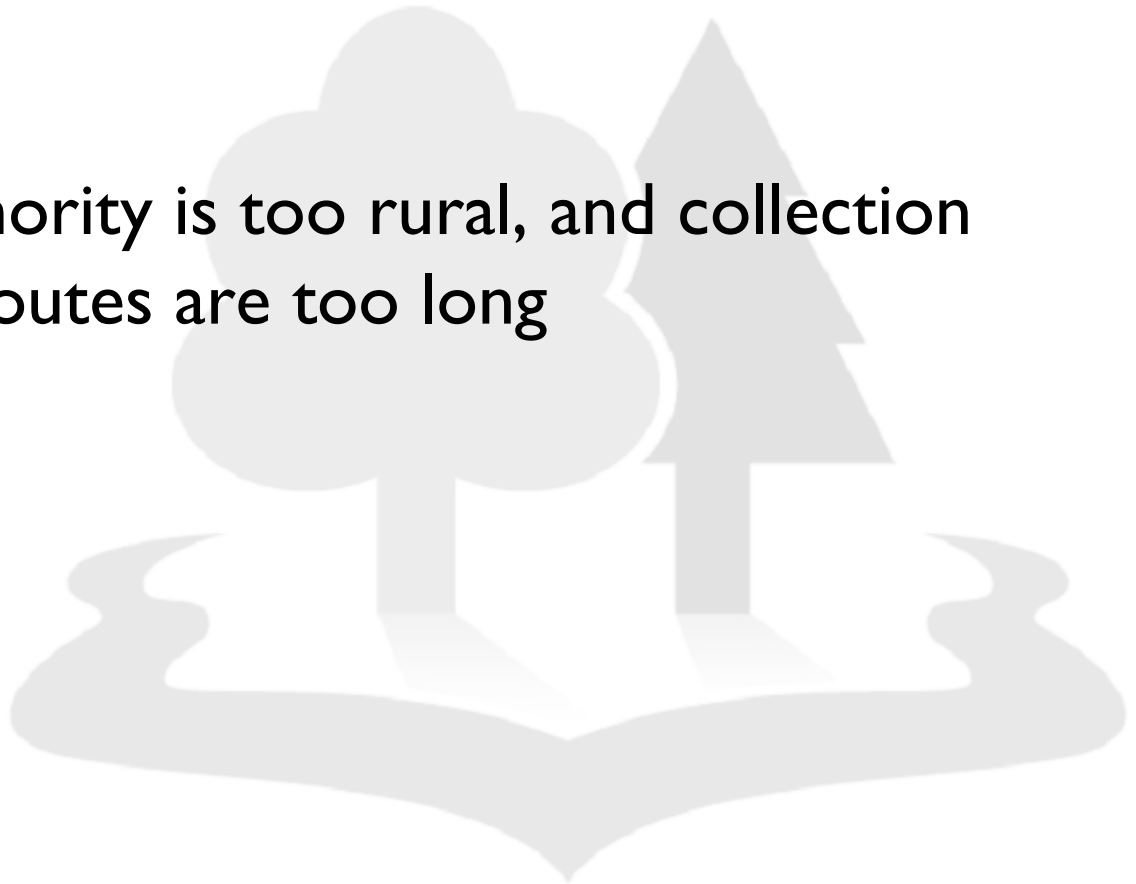
Simon Anthony, Head of Environmental Services

18 Sept 2024



Forest of Dean
— DISTRICT COUNCIL —

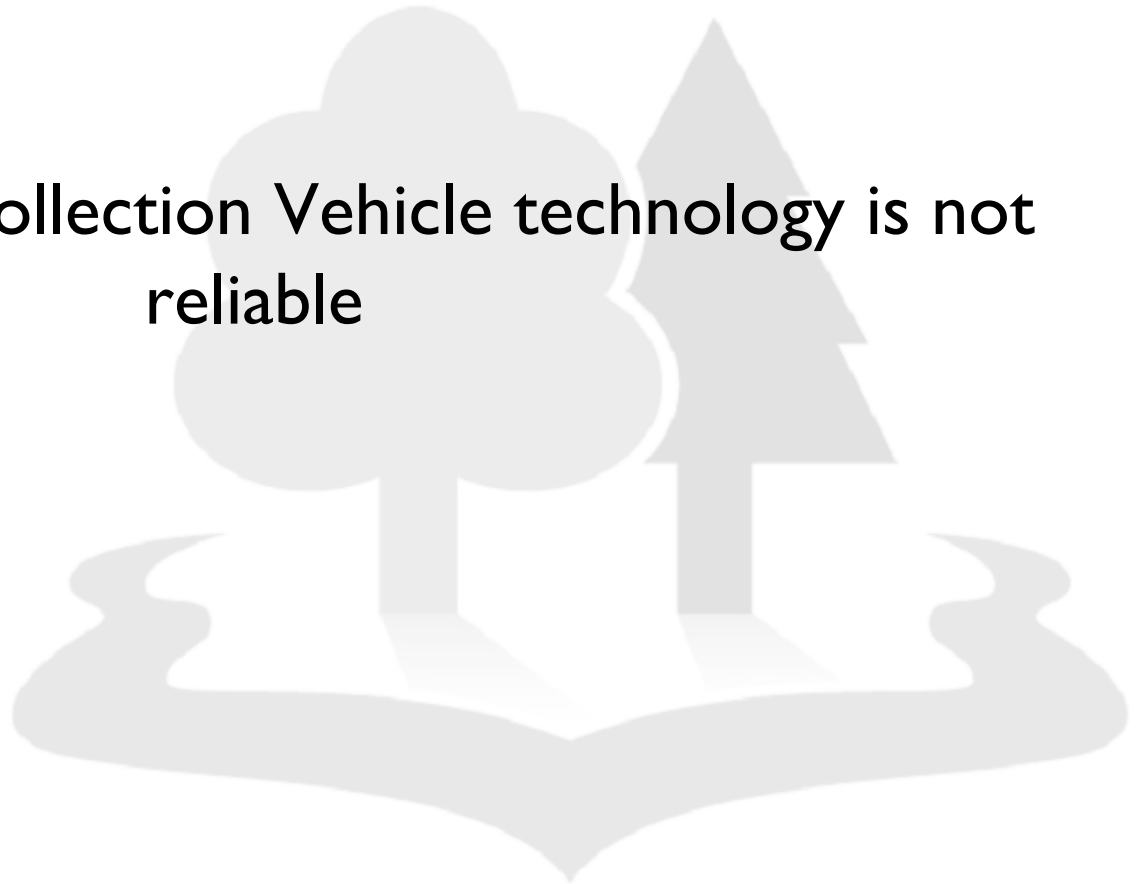
Our Local Authority is too rural, and collection routes are too long





Forest of Dean
— DISTRICT COUNCIL —

Electric Waste Collection Vehicle technology is not
reliable





Forest of Dean
— DISTRICT COUNCIL —

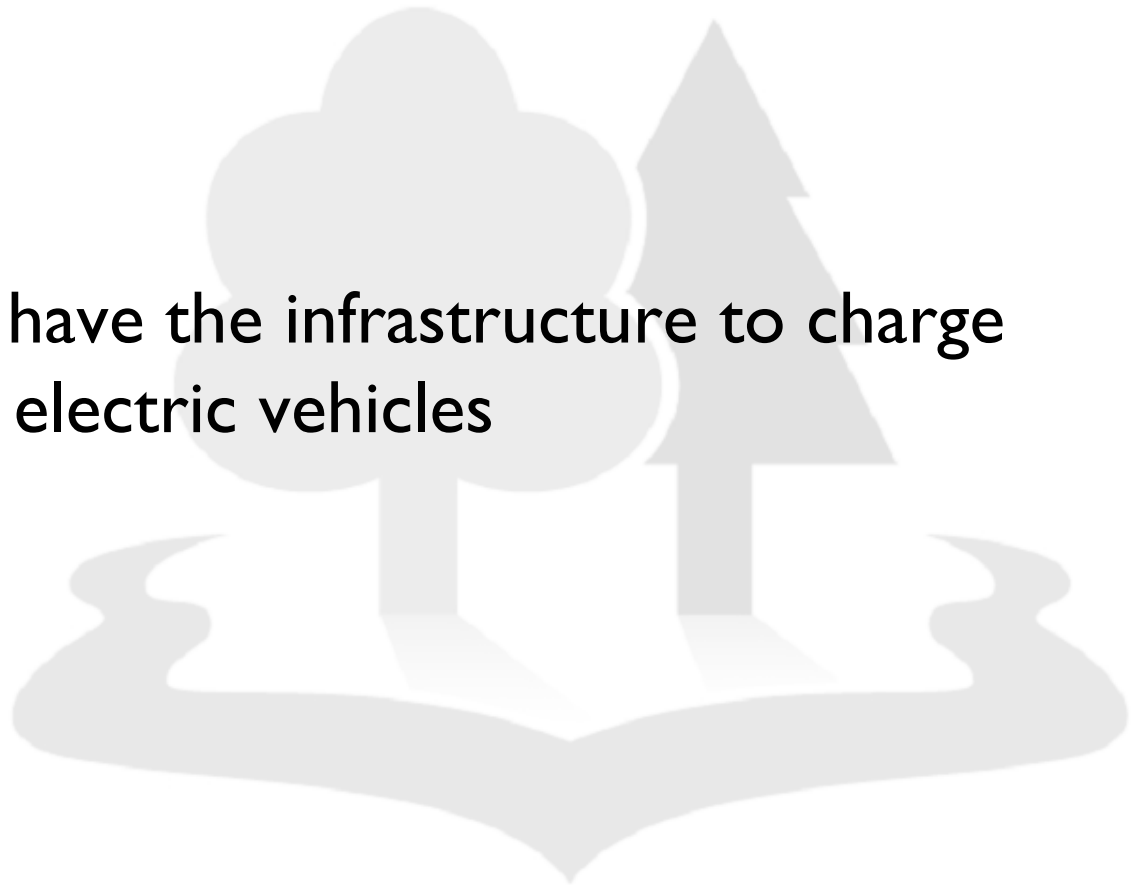
We can't afford Electric Waste Collection vehicle
capital





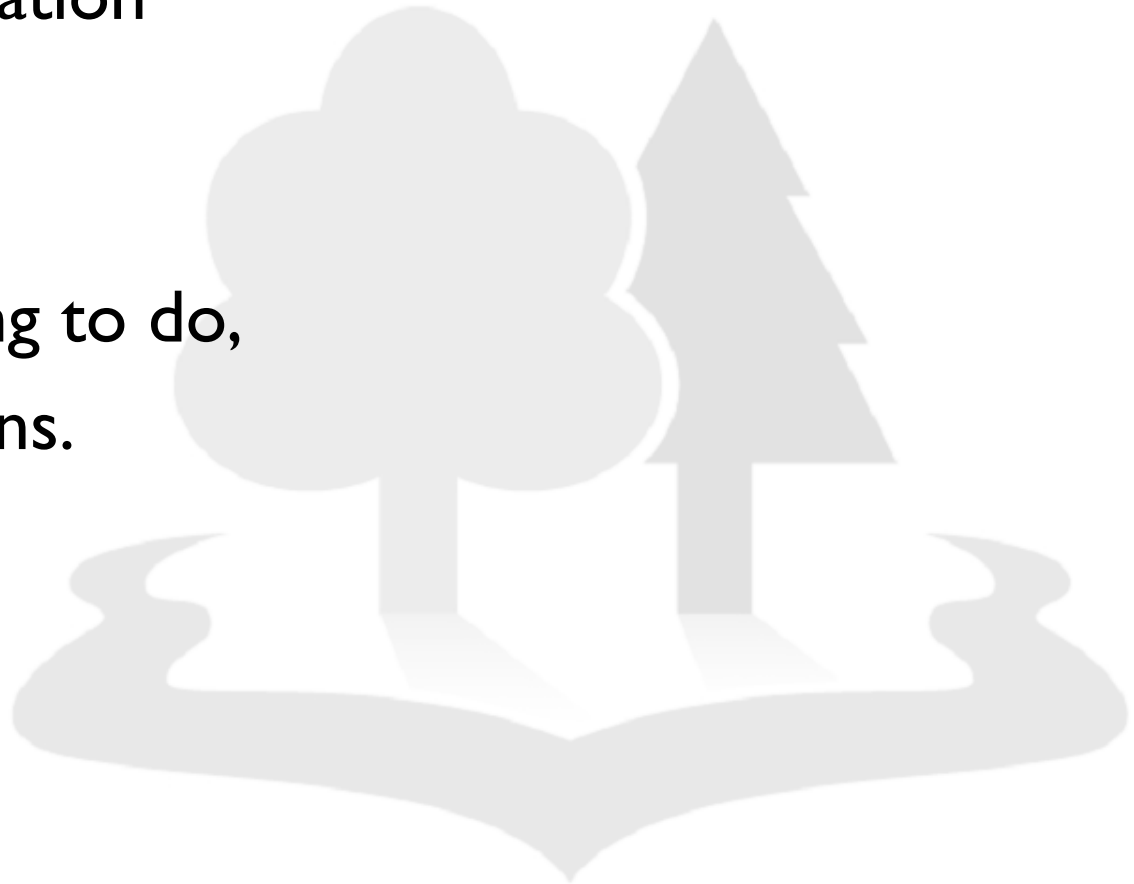
Forest of Dean
— DISTRICT COUNCIL —

We don't have the infrastructure to charge
electric vehicles





- Who We are
- Current UK situation
- What we did,
- Findings,
- What we're going to do,
- Recommendations.





Who we are

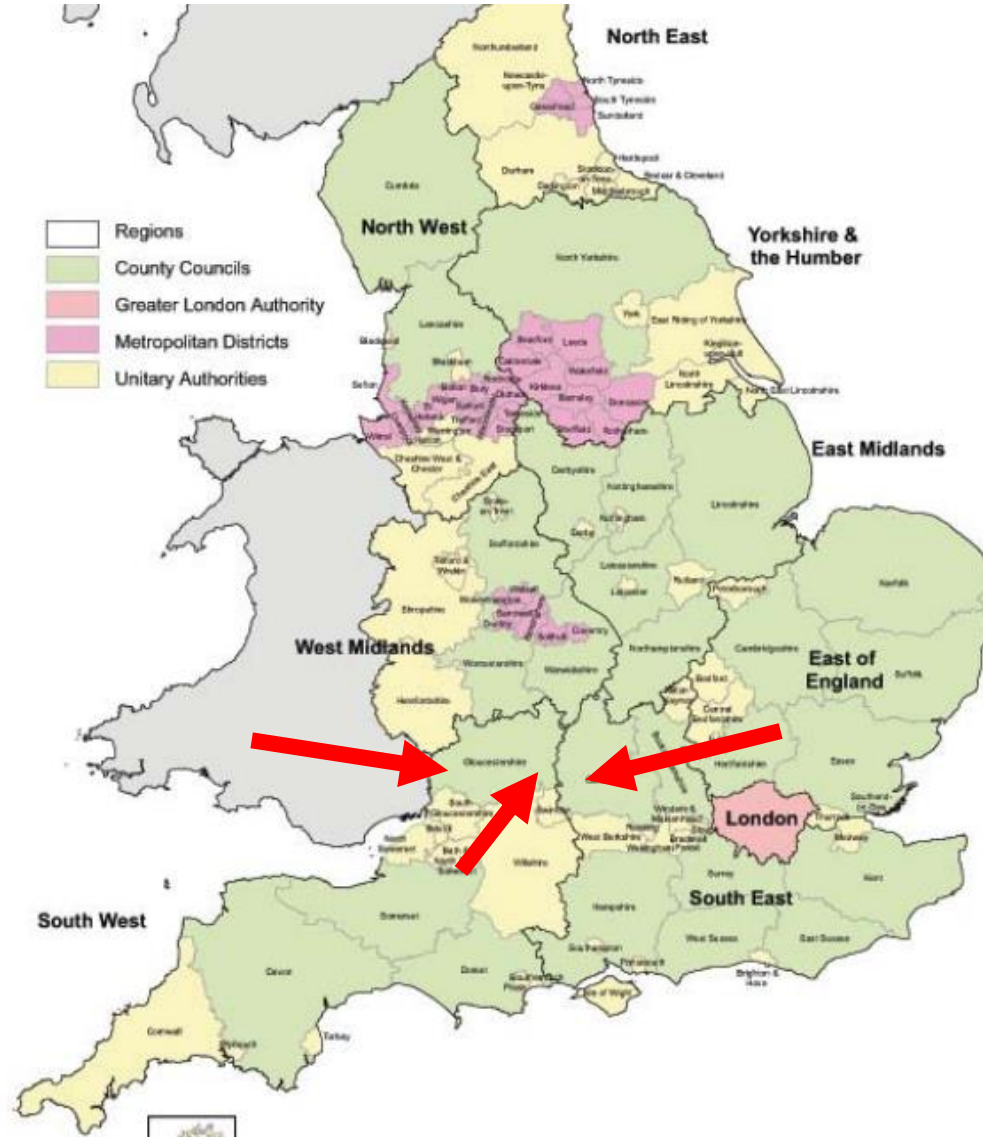
- Publica Group, delivering services on behalf of the following Council's
 - Forest of Dean,
 - Cotswold,
 - West Oxfordshire
- Rural, and high performing.





Forest of Dean
DISTRICT COUNCIL

Who we are





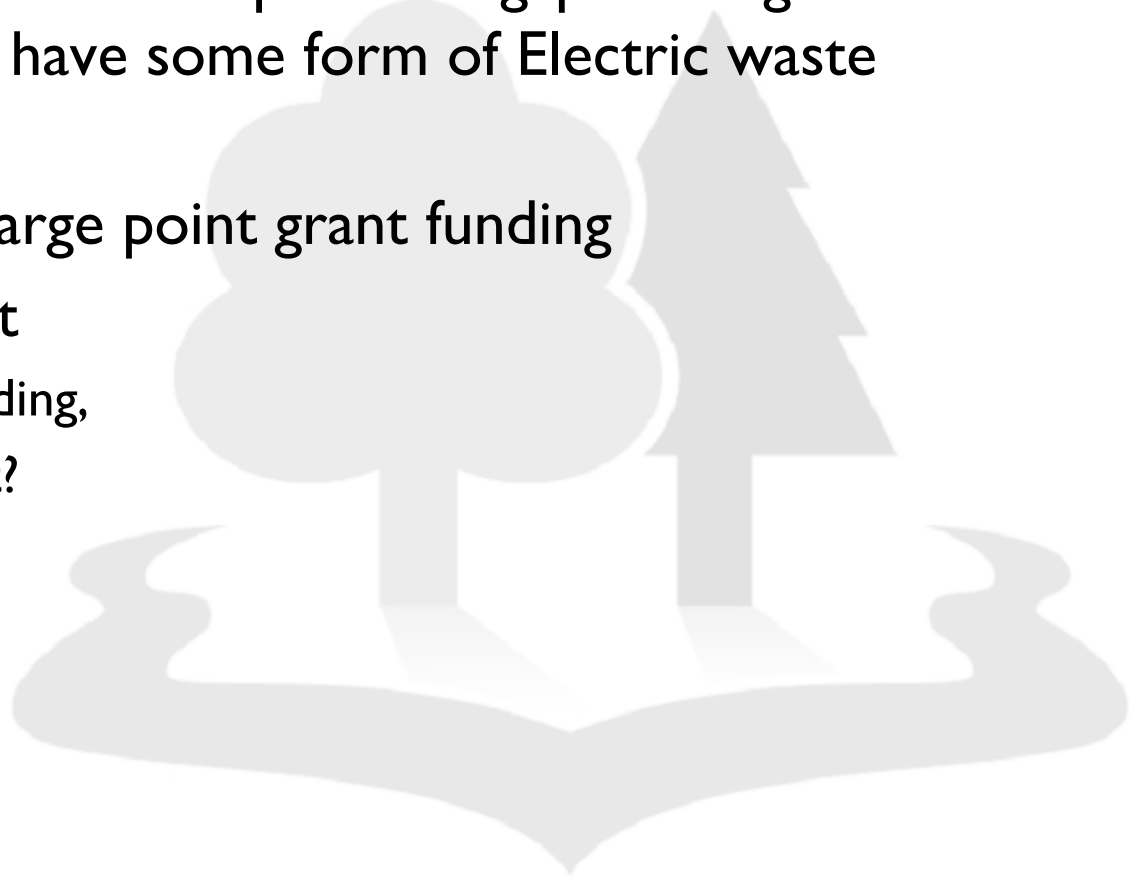
Current UK situation

- 99% of Waste collection vehicles are diesel,
 - Reliable,
 - Known entity,
 - Affordable
 - Unsustainable
- Transition away from diesel,
 - Declaration of Climate emergency
 - 3rd of a Councils Carbon emissions from Waste Fleet
- Westminster have a fully electric waste fleet,



Current UK situation

- Funding
 - Welsh Government have provided gap funding and all Welsh Councils have some form of Electric waste collection fleet.
 - This includes charge point grant funding
 - UK Government
 - No specific funding,
 - Autumn budget?





Forest of Dean
DISTRICT COUNCIL

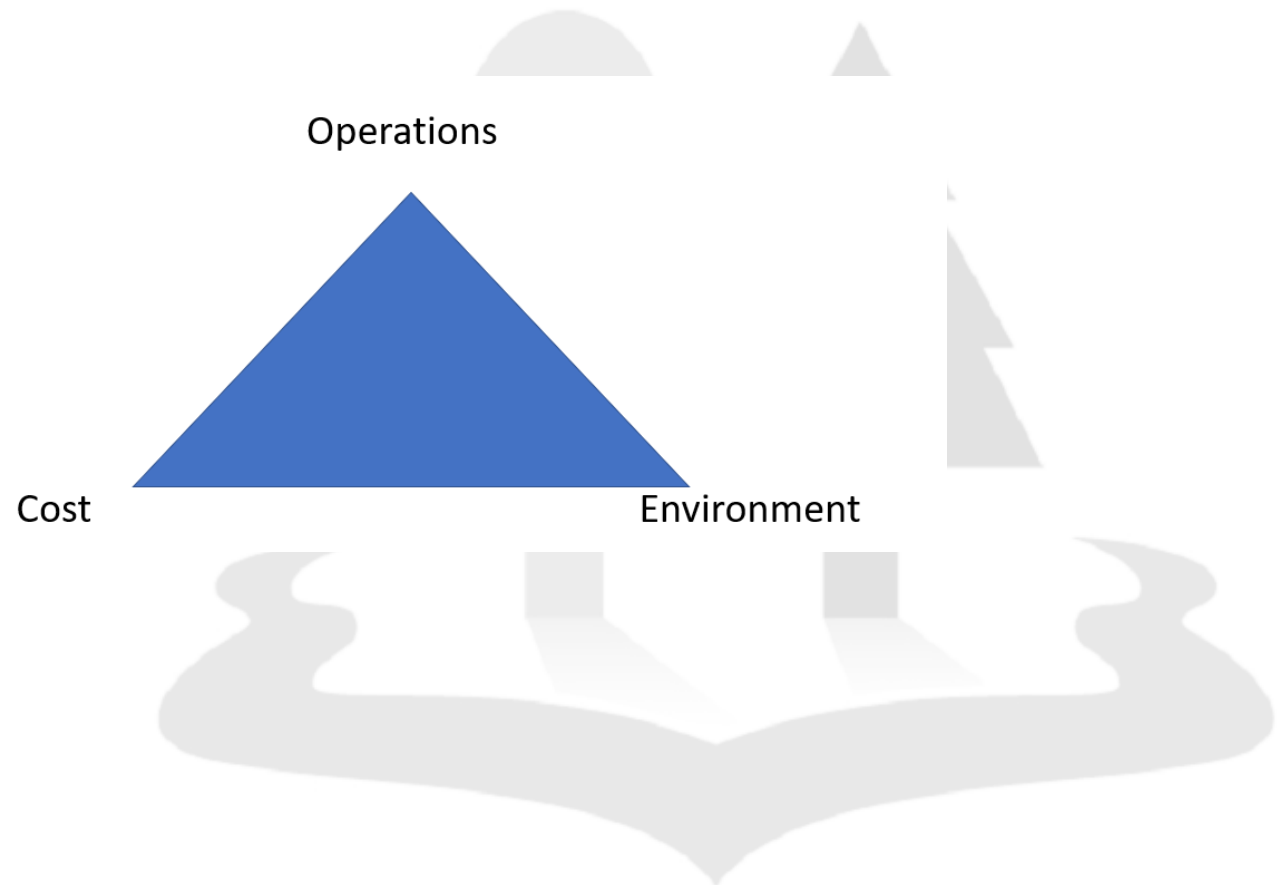
EV Trial in Wales





- Process
 - Vehicle Workshop including,
 - Fleet Expect (Contractor),
 - Section 151, Chief Finance Officer,
 - Climate Officers,
 - Operations,
 - Members,
 - Write Strategy,
 - Write Decision Paper
- Strategy / Fleet Route Map
 - Reliability (is EV fully tested)
 - Charge Points Available,
 - Mileage,
 - Capital Costs,
 - Revenue Costs (whole life)

Decision Triangle





Forest of Dean
DISTRICT COUNCIL

What we did





Forest of Dean
DISTRICT COUNCIL

What we did



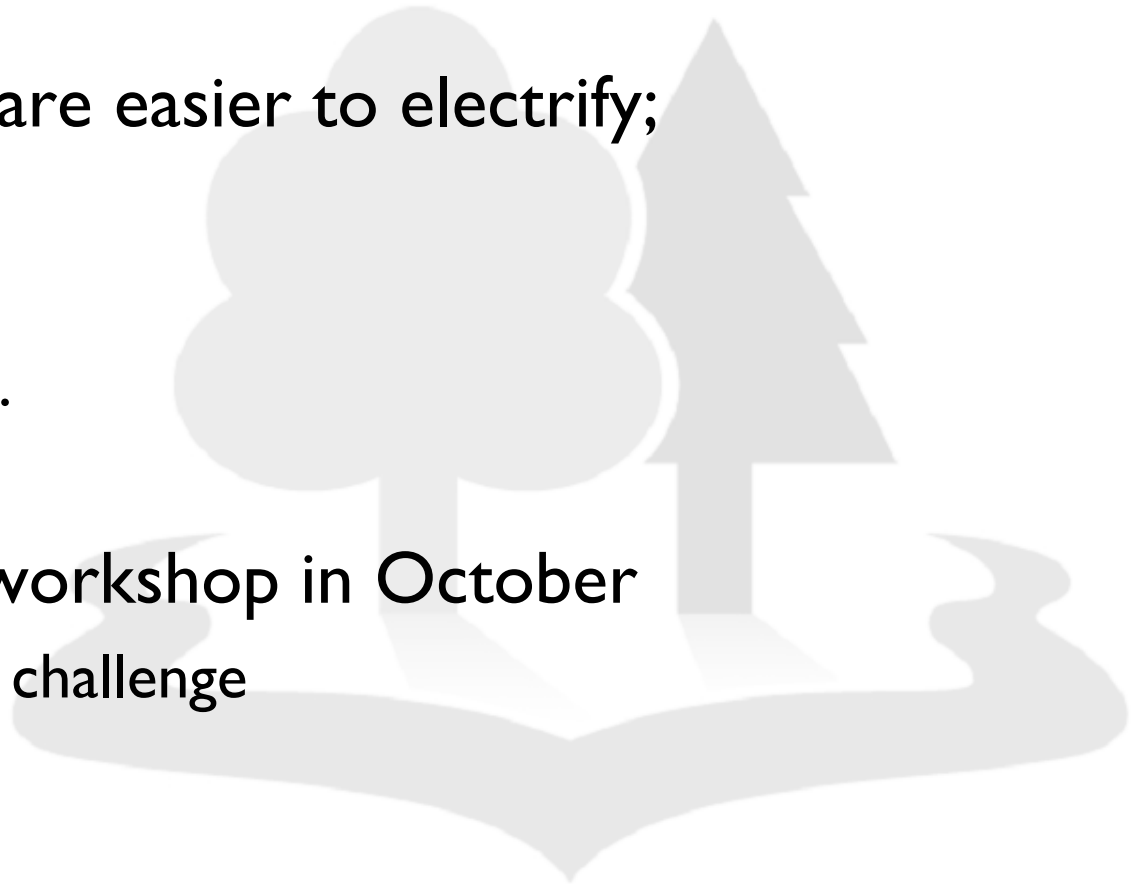


- Ruled out HVO as 'cheating' and expensive
- 2 x eRomaquips fully deployed on the service covering any Forest of Dean Collection Route
- Returning with 60-70% charge *remaining*
- Aiming to be cost neutral and run for additional 2 years vs standard fuel
- Easily 90-100 miles and full day's work



What we're going to do

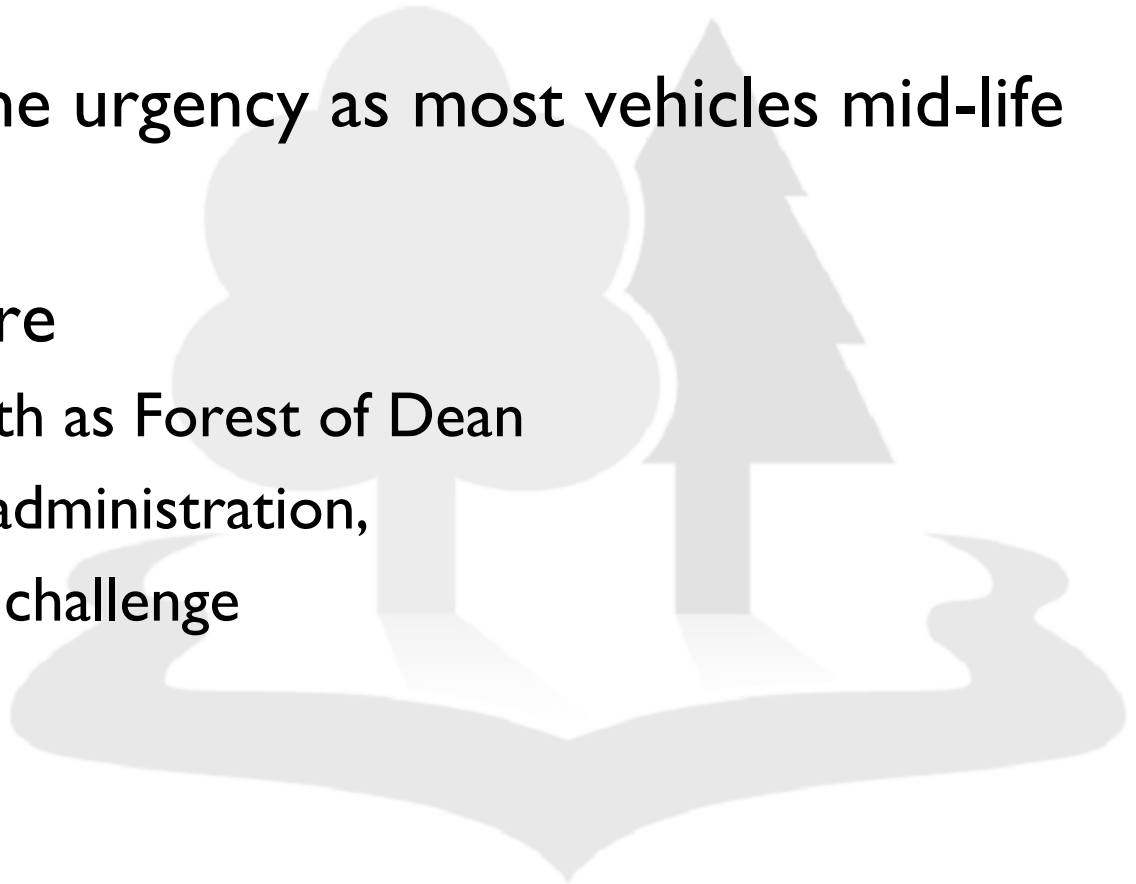
- Continue on same path....
- Smaller vehicles are easier to electrify;
 - Proven range,
 - Cheaper,
 - Easier to charge.
- Further vehicle workshop in October
 - Capital will be a challenge





What we're going to do

- Publica's other LA's
- Cotswold, not the urgency as most vehicles mid-life
- West Oxfordshire
 - On the same path as Forest of Dean
 - Not as 'Green' administration,
 - Capital less of a challenge





Recommendations

- Workshop, Workshop, Workshop,

