



Transitioning the Fleet

the case for biofuel: Switching from a diesel
to biofuel refuse fleet.

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Eastleigh Borough Council

- Net Zero by 2030!
- Fleet 100+ vehicles and kit
- Fleet – 2nd largest emissions



● Background, catalysts for change and options

- Eastleigh Borough Councils commitment to net zero for its own activities by 2025
- RCV's 31 in total ranging from 7.5 tonne to 26 tonne
- Increasing fuel costs – volatile market
- Increasing maintenance costs for ICE – replacement parts and oils
- Vehicle replacement programme – increasing capital costs
- Electric or Hydrogen?
- Transitional fuels – what are the options



● Bridging the Gap – changing perceptions

- Staff –
 - Transport Manager – Fleet Workshop Manager!!
 - Vehicle technicians! – Drivers!!!!
 - Other staff!!
- Staff working groups
 - Vehicle options – Vans – RCV's – Pick Ups – Tractors - Mowers
 - New or Repowered – Immature Market, not a lot of choice
 - Other equipment – Hand Held Equipment – Strimmers, Hedgetrimmers
 - Alternative Fuels – options have been around for many years
 - Training – technicians will require training as will operatives



Charging Infrastructure

- Does your depot have enough electric capacity?
 - Often the answer is no, you may be able to do half your fleet
 - increasing capacity – expensive!
 - Which type of chargers – direct current (DC) or alternating current (AC)
 - You need to know how quickly vehicles will charge
 - The larger the fleet the more complex the charging infrastructure needs to be
 - load balancing!
 - What happens if grid goes down!
 - Infrastructure upgrades needs lead in time and capital investment
 - Sub-depots



• Outcomes and Future Targets & Goals

- 3 – Electric RCV's
- 9 – car derived vans
- 18 – 3.5 tonne pick ups

- All Grounds maintenance hand-held equipment (apart from chainsaws) electric

- Transitional Fuel – Hydrogenated Vegetable Oil (HVO) –
 - the main manufacturers confirm their warranties are still valid
 - Drop in replacement for diesel
 - Guaranteed from sustainable sources
 - Approx 0.5p pl more than diesel at the moment

• Repowering existing RCV fleet and extending the life to 12 years!



Questions / Discussion

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