

Fleet Replacement Strategy.

CREATING A LEGACY FOR LEEDS.

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**Clean Air
Leeds**

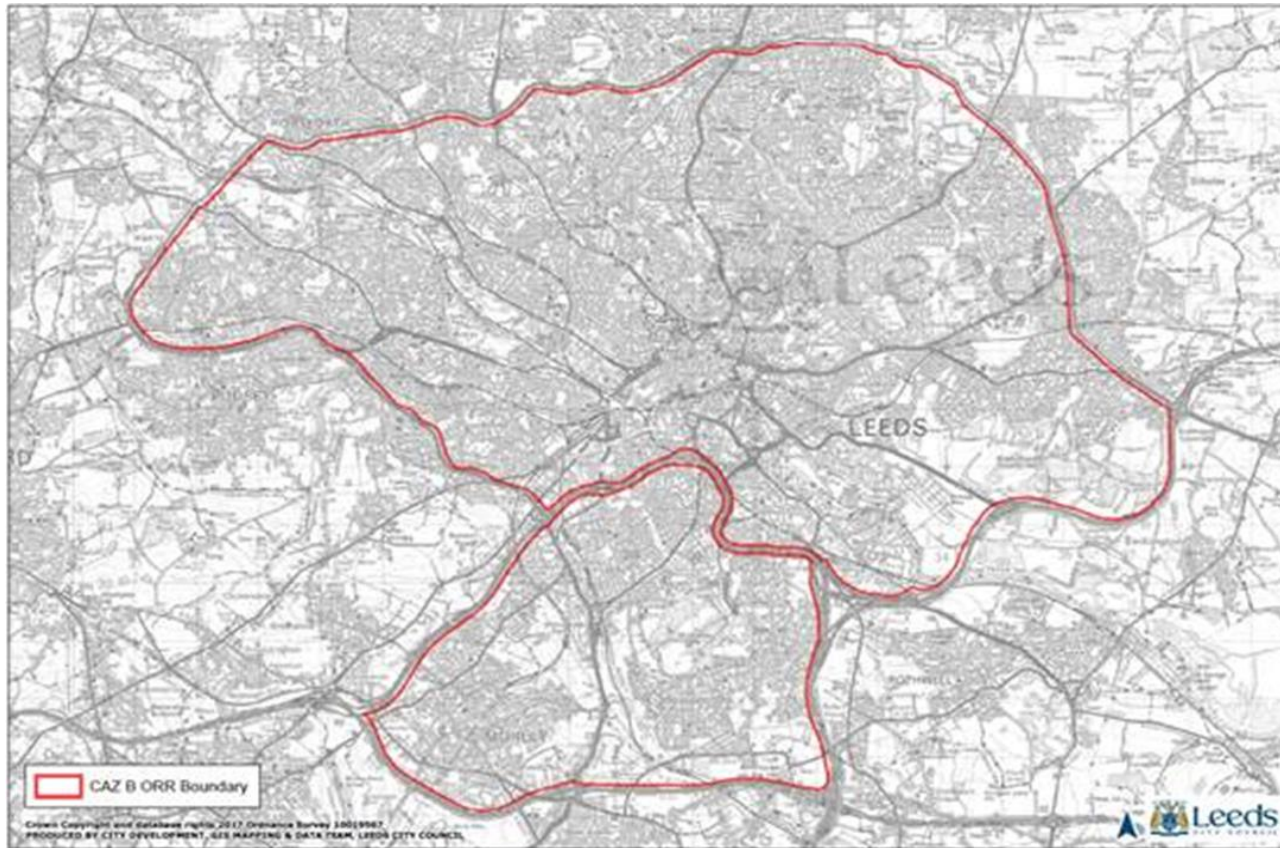


Background information.




- Leeds named as one of 29 cities in the UK Governments air quality action plan.
- Leeds currently operates a fleet of 1300 vehicles.
- Currently around 11% of these are Ultra Low Emissions Vehicles.
- The 11% consists of Hybrids, Electric and Compressed Natural Gas powered vehicles.



The Proposed Clean Air Zone. Currently under consultation and clarification.



Themes of Fleet (23)

 LGVs	CNG (Compressed Natural Gas) One Trucks Story.
 3.5T	Consultation on CNG alternatives
 Small Vans	EVs (Electric Vehicles) Charging Infrastructure



4499 One Trucks Story.

- In **2006** Fleet Services had a vision of alternative fuelled vehicles being a part of the “normal” range of fleet vehicles within Leeds City Council.
- The use of **CNG** as a means of fuelling trucks was established within mainland Europe.
- There were no plans to import these into the UK, if we wanted to try one we would have to buy one! This was a big risk.
- This truck purchase was made and it became fleet number **4499**. The first CNG truck in the UK, not just in a Local Authority.



Teething troubles?

- The truck was delivered on time in **2008** all the way from Germany.
- The fuel station was delayed!
- As is the case for new technology the infrastructure for the supply of fuel is going to be the problem.
- **Lesson one learned**, It took longer to deliver a fuelling station than to build a truck from the wheels up!



Vehicle has now covered 123,692 trouble free kilometres!



Breathe clean by going green

4499 comes of Age!

- After nearly 10 years of service the vehicle is still running well.
- No major components replaced.
- No reliability issues.
- One of if not *the* oldest vehicles on Leeds City Councils Fleet.
- Front line use, not just a reserve vehicle, out day to day.
- The concept has been proven to be viable.
- Expansion of the fleet in this direction is no longer a dream, it has become a certainty!



4499 the legacy.

- 4499 has proven the practicality of running CNG vehicles to 7,9 or even ten years before replacement.
- Not only environmental benefits but significant financial savings are available.
- None of these benefits have been at the sacrifice of service provision, reliability or capability.



Breathe clean by going green

The future?

- The provision of a larger fuelling site will enable more of these vehicles.
- The infrastructure will be in place before the fleet increases in size.
- CNG will make Leeds City Councils fleet of heavy vehicles become fully “clean air” compliant.
- Leading from the front, setting an example.



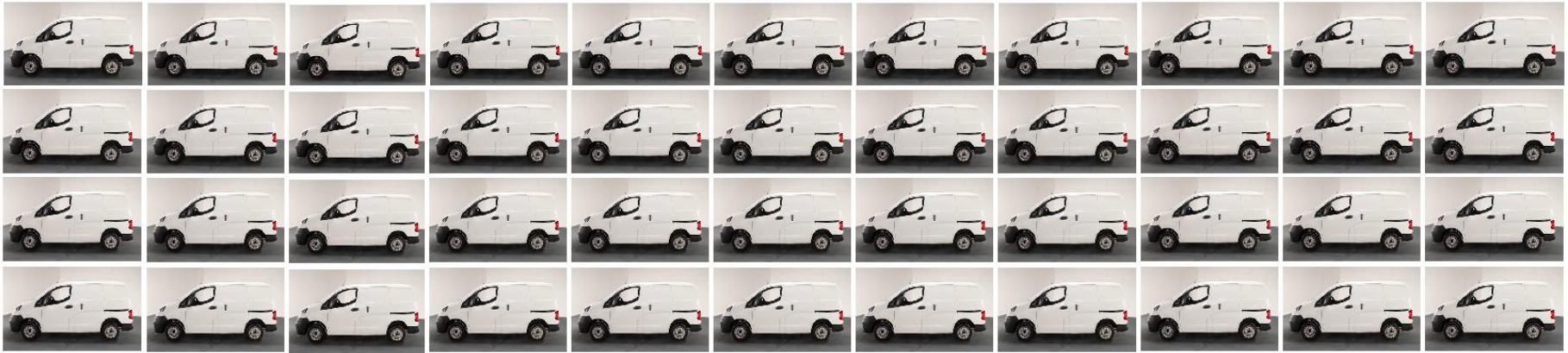
CNG future projects.

- Welfare vehicles.
- Mobile Library vehicles.
- Road sweepers.
- Tippers in Highways.
- All based on the success of one vehicle, one vision.



Electric Vehicles (Ev's) story so far.

- There are 44 electric vans already in service in Leeds City Council.



- A further 51 are on order, putting Leeds City Council into scope for being a leader in the field of Electric Vehicle use.



EV Infrastructure.

- There are already 107 charge points for Electric Vehicle charging in sites around the city. **Learning:** Infrastructure problems.
- More are planned as more vehicles are added to the fleet as a planned response to demand. **Learning:** Infrastructure solutions.
- Fleet Services have had engineers trained in the service and repair of these vehicles as a part of the future proofing of Council Services.
- After 2 years of use, these vehicles show no sign of reliability or durability issues.



Electric Vehicles in the city.

- The electric vehicles being used are quiet, clean and reliable.
- They promote good driving to regenerate energy as they are driven.
- They are showing equal logistic capability to conventional vehicles.



“Learning”

- CNG is viable, reliable and durable. It works well.
- EV's Overcoming the infrastructure issues by planning and surveys of most appropriate sites.
- **Low Hanging Fruit.**
- Continued engineer training on ULEV's and CNG.



Outcomes.

- Communications.
- Encourage “buy in” from HOS to driver group level.
- Roll out plans.
- Elected Member assessments in ULEV’s.
- Lead Transport Officer’s (LTO’s) Service Transport Leads.
- Future proof the Fleet Services depot. Eco friendly.



Summary.

- Leeds has a plan for the future of alternative fuel vehicle use.
- The plan is for clean, and practical vehicles.
- The plan is one for the long term.
- The create a cleaner city.
- To lead by example.
- To create a legacy for Leeds.
- Thank you.

