

Plugged-in Fleets Initiative

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Plugged In Fleets Initiative

- The Story so far
- Planning for Success
- Investing in the future

The story so far

Over 120 electric vehicle reviews for fleets:

- Whole life costs EV v. ICE using fleet's **own** fuel and electricity costs
- Analysis of the drive cycle - does it meet the fleet's needs?
- If barriers exist, what can be done to overcome them?
- Infrastructure advice

Report with clear recommendations



Tackling preconceptions

The vehicles are
not appealing

The costs do
not add up

EVs are
a fad

Range is
an issue

There's not
enough charging
posts

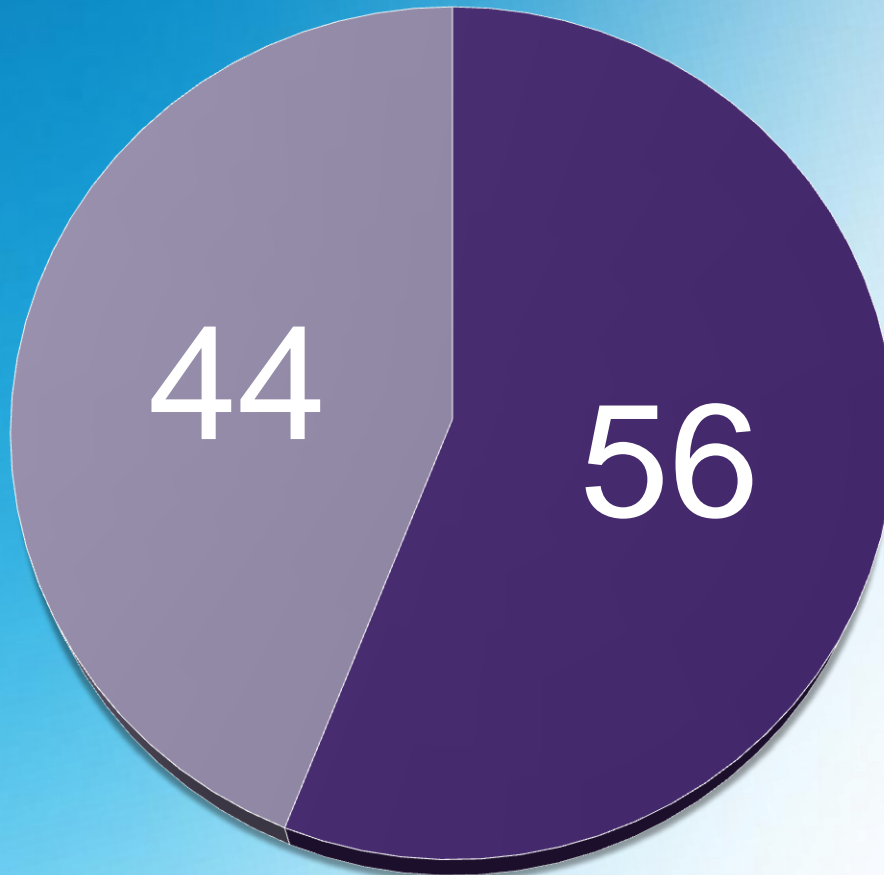
Cost analysis

This example shows the savings across a number of small vans:

Make	Ford Transit Connect T200 LWB	Renault Kangoo Z.E. ML20	Renault Kangoo Maxi Z.E.
Vehicle type/fuel	Diesel	Electric	Electric
Term - months	60	60	60
Annual mileage	15,000	15,000	15,000
Diesel £/litre net / electricity pence per kW hour/	1.20	8.42	8.42
Official Fuel consumption MPG/ Wh/km	38.1	155	155
Fuel costs	£ 12,382	£ 1,811	£ 1,811
Lease Costs	£ 13,318	£ 20,819	£ 22,741
Total cost	£25,700	£22,630	£24,552
PPM based on annual projected mileage	34	30	33

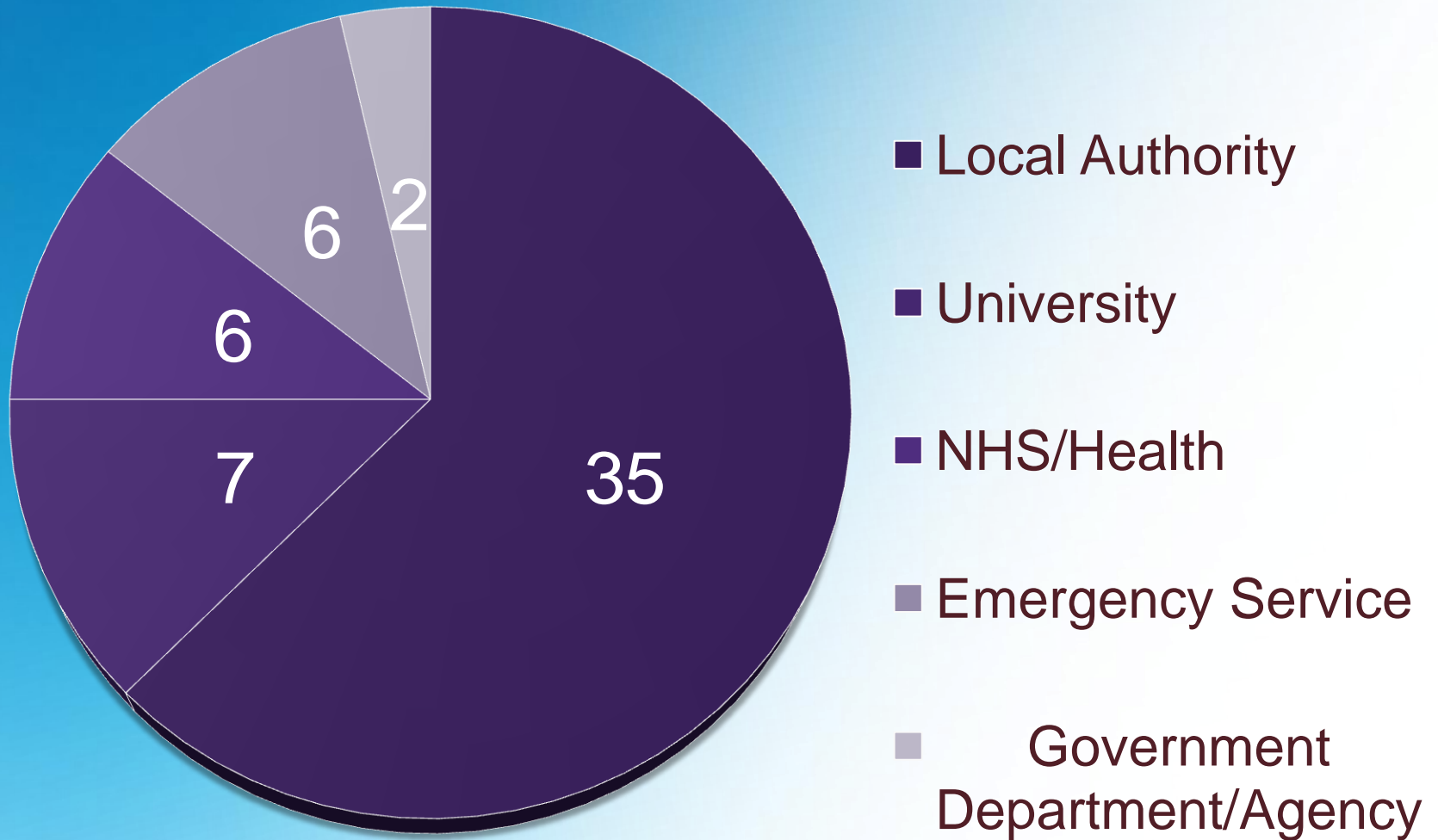
Who did we help? (2013/14)

PIFI Clients



- Public Sector
- Business

Public Sector clients (2013/14)



Recent participants

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Impact (2013/14)

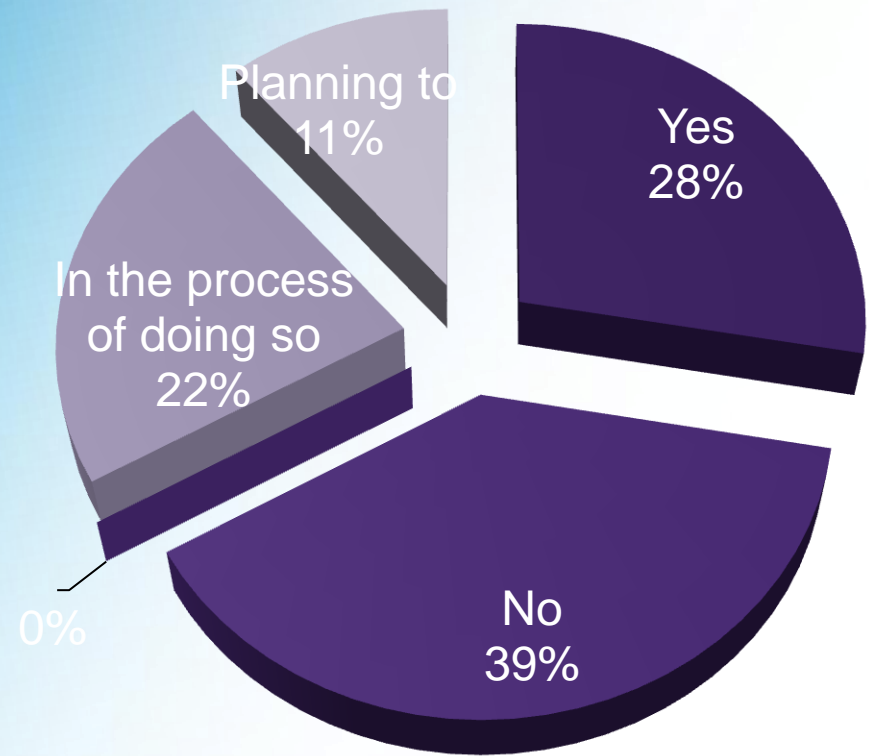
From 100 reviews, we identified 1,422 fleet vehicles where a business case existed.

We found additional opportunities for up to 1,300 viable pool vehicles that could reduce grey fleets.

Since your PIFI Review have you acquired EVs?

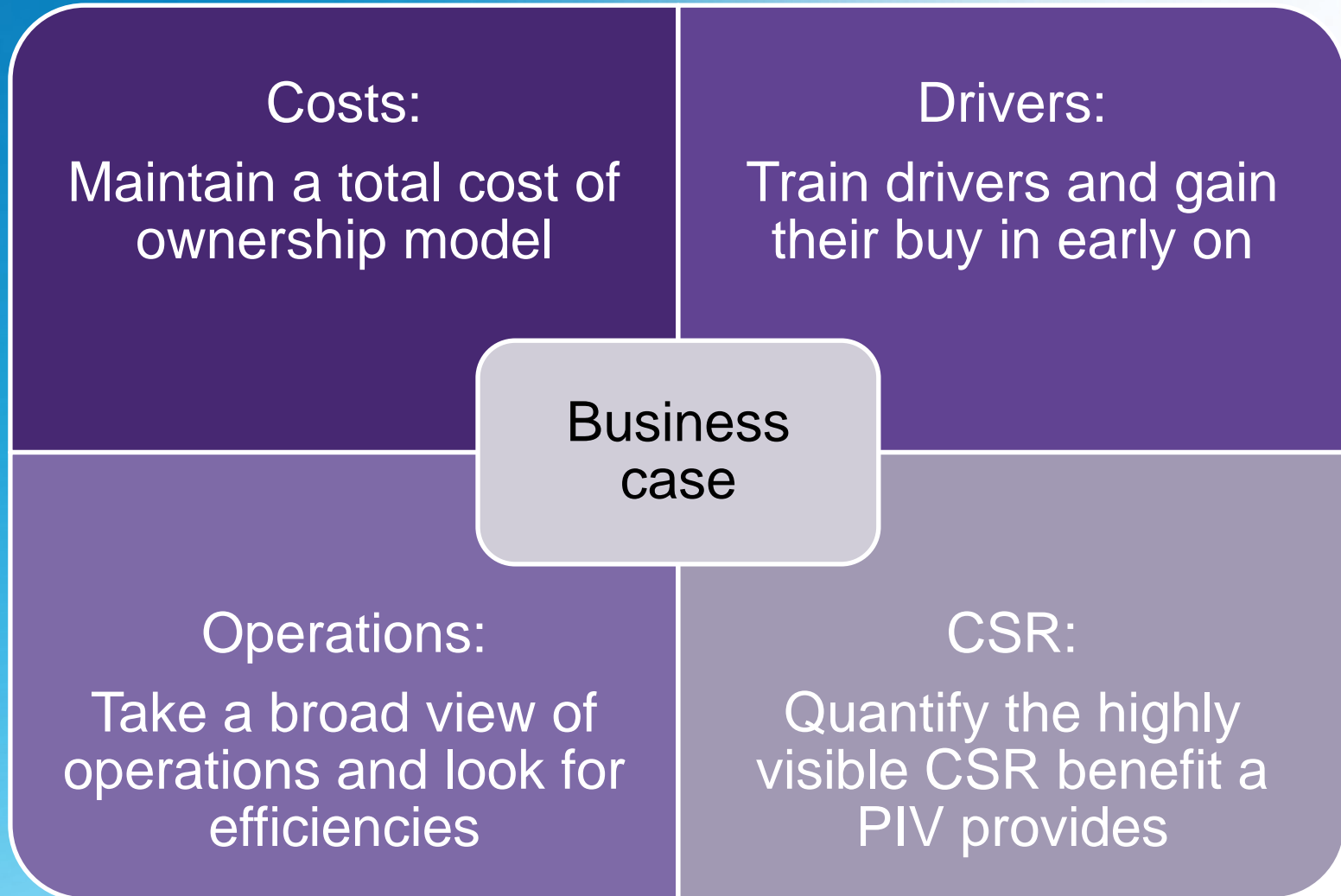
61% said they had adopted EVs, are planning to or are in the process of doing so

100% of participants said the PIFI review was useful in informing their decision





Planning for success



Cumbria public sector

- Cumbria County Council and Cumbria Fire Service – high grey fleet use
- Order placed for 15 pool cars with car club accessibility
- PIFI recommendations used to support OLEV grant funding bid for infrastructure
- Funding granted (c.£750k) for 11 rapid chargepoints and 20 standard rate chargepoints

Investing in the future

Ultra low emission vehicle (ULEV) readiness project

PHASE 1 (launched 17th July)

- Government car service (Ministers' cars)
- Central Government fleets



PHASE 2 (autumn launch)

- Wider public sector fleets



Investing in the future

Ultra low emission vehicle readiness project

Support from OLEV

- for leases
- for infrastructure

Energy Saving Trust provide fleet analysis & reviews

- Pre-lease
- Interim
- Post-lease

Expressions of interest to: Diana.Iwanga@dft.gsi.gov.uk

Investing in the future

Transport for London: rapid chargepoint mapping

Help shape the future of London's electric vehicle rapid chargepoint network:

- Working with 35 operators of commercial vehicles (up to 12.5t)
- Analysing telematics and scheduling data (in partnership with Route Monkey)
- Maximising the benefits of plug-in vehicles
- Mapping the optimal locations for infrastructure

Getting involved

- Visit our web site: www.energysavingtrust.org.uk
- Email: ian.featherstone@est.org.uk