

**Oldest**



**Newest**



**Least Safe?**

**Highest Carbon**



**Lowest Carbon**



# The Grey Fleet

Chris Endacott

# Sustainable Transport – The Issues

- **Environmental Impact**

*Carbon Dioxide – Global Warming.*

*Manufacturing Impacts – Resources, Waste.*

- **Social Impacts**

*Air Quality, Health, Accidents, Exclusion.*

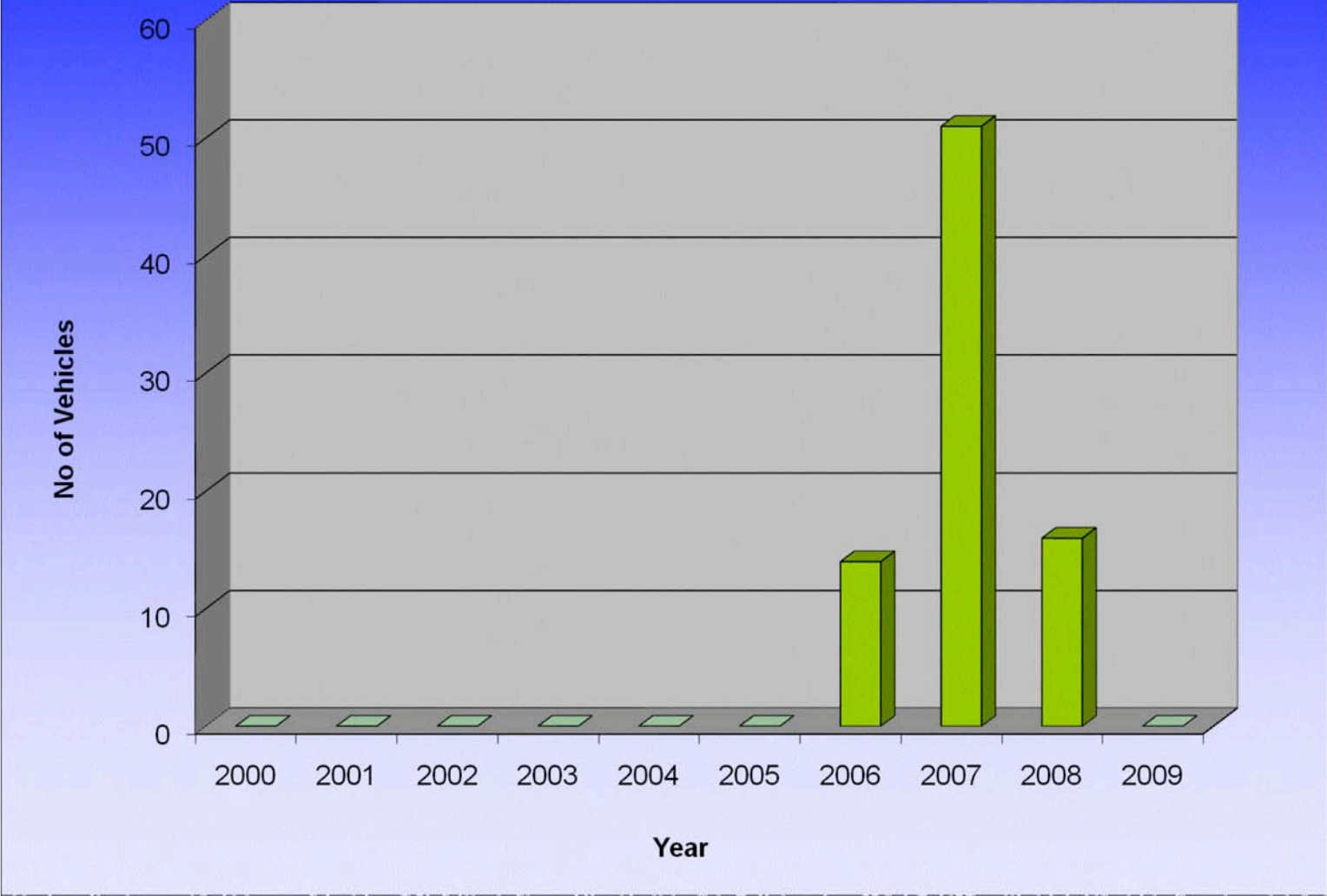
- **Economic Impacts**

*Infrastructure, Vehicle & Energy Costs.*

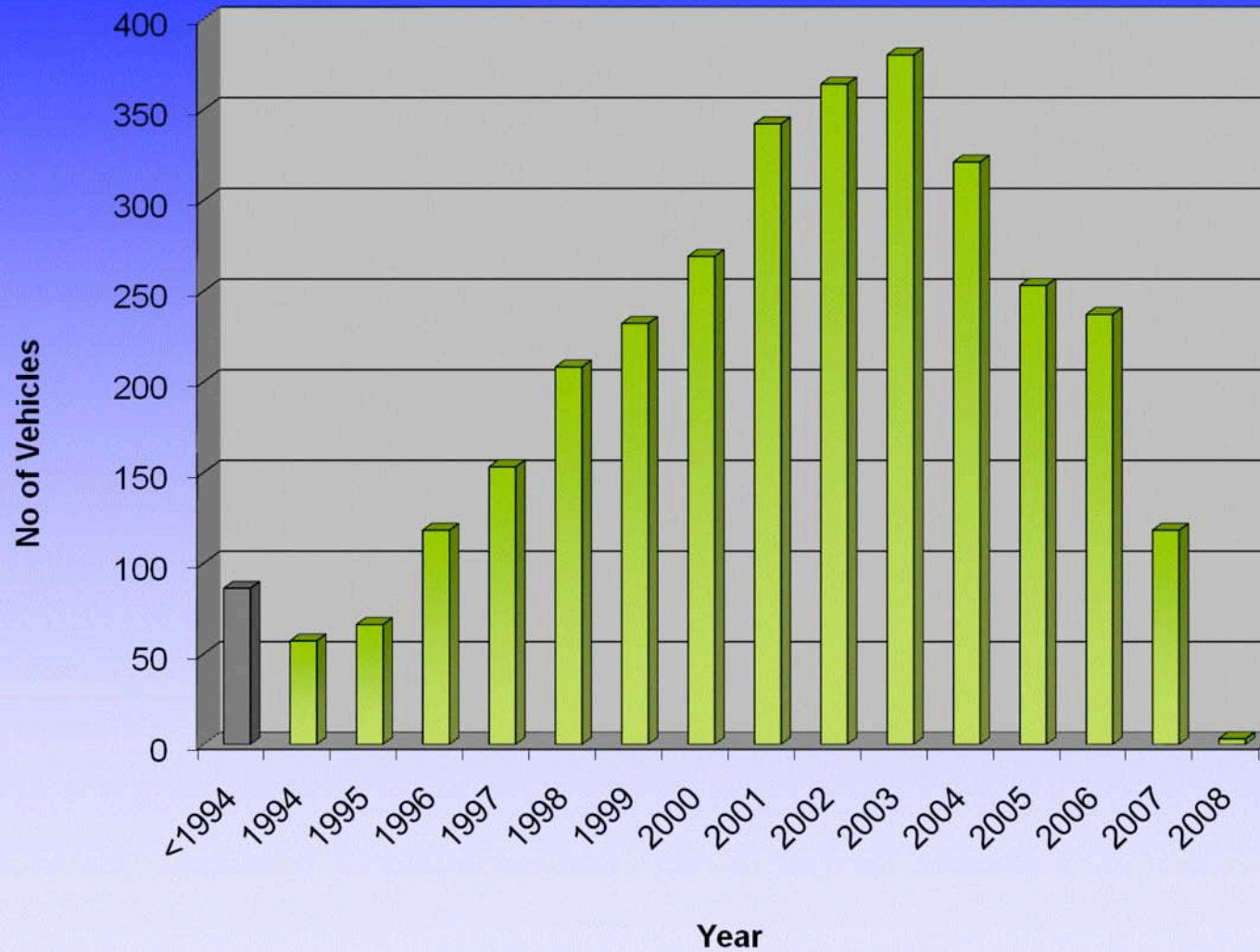
# Sustainable Business Transport

- **Must be genuinely “Low Carbon” – measured!**
- **Preferably “Low Emission” (NO<sub>x</sub> and PM<sub>10</sub>).**
  - Essential if used in an AQMA or an Urban area.
- **Should also be safe.**
  - For the driver, passengers & other road users.
- **Must be driven well (safe & fuel efficient).**
- **Should be “used less” eg video/web conferencing.**
- **May never be Zero Impact – noise, resources...**

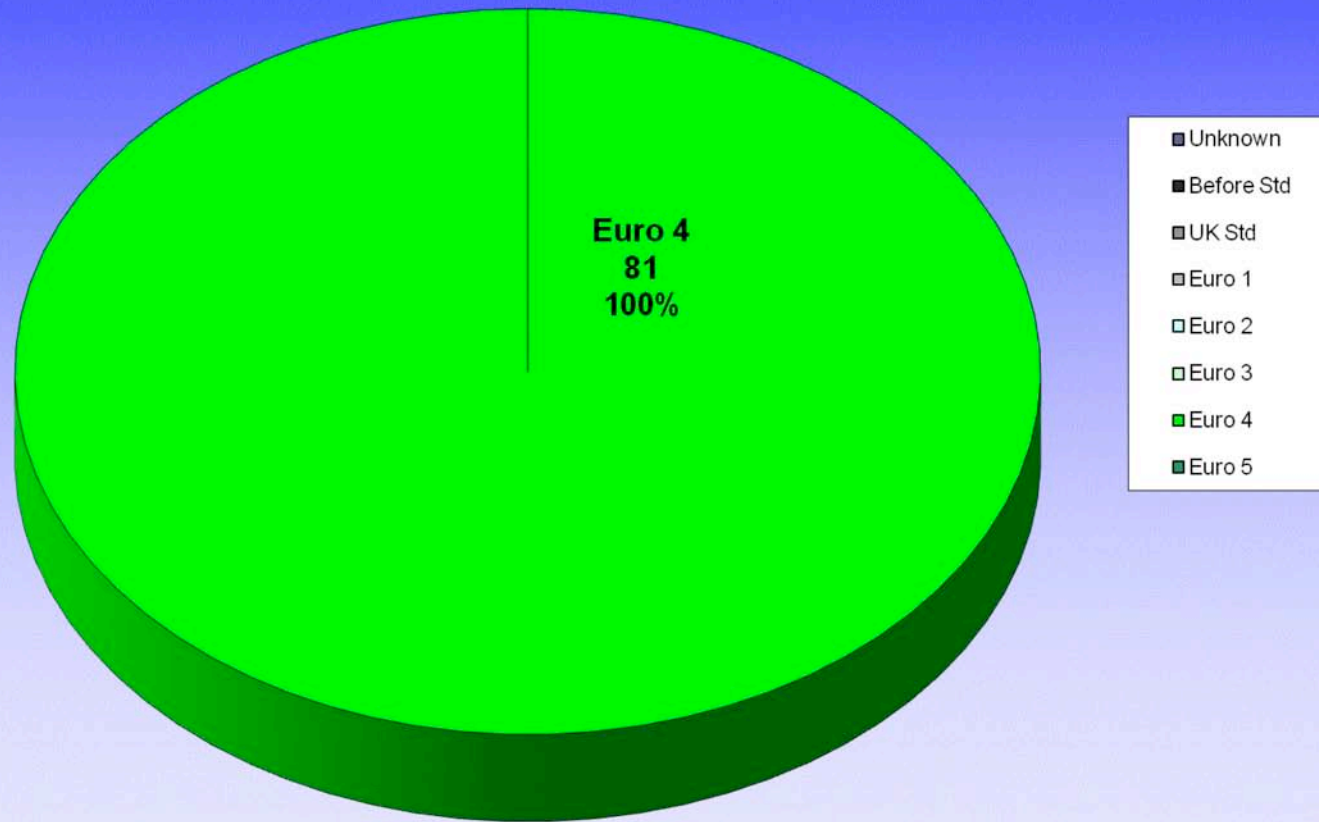
# Edinburgh Car Club Fleet Age Profile



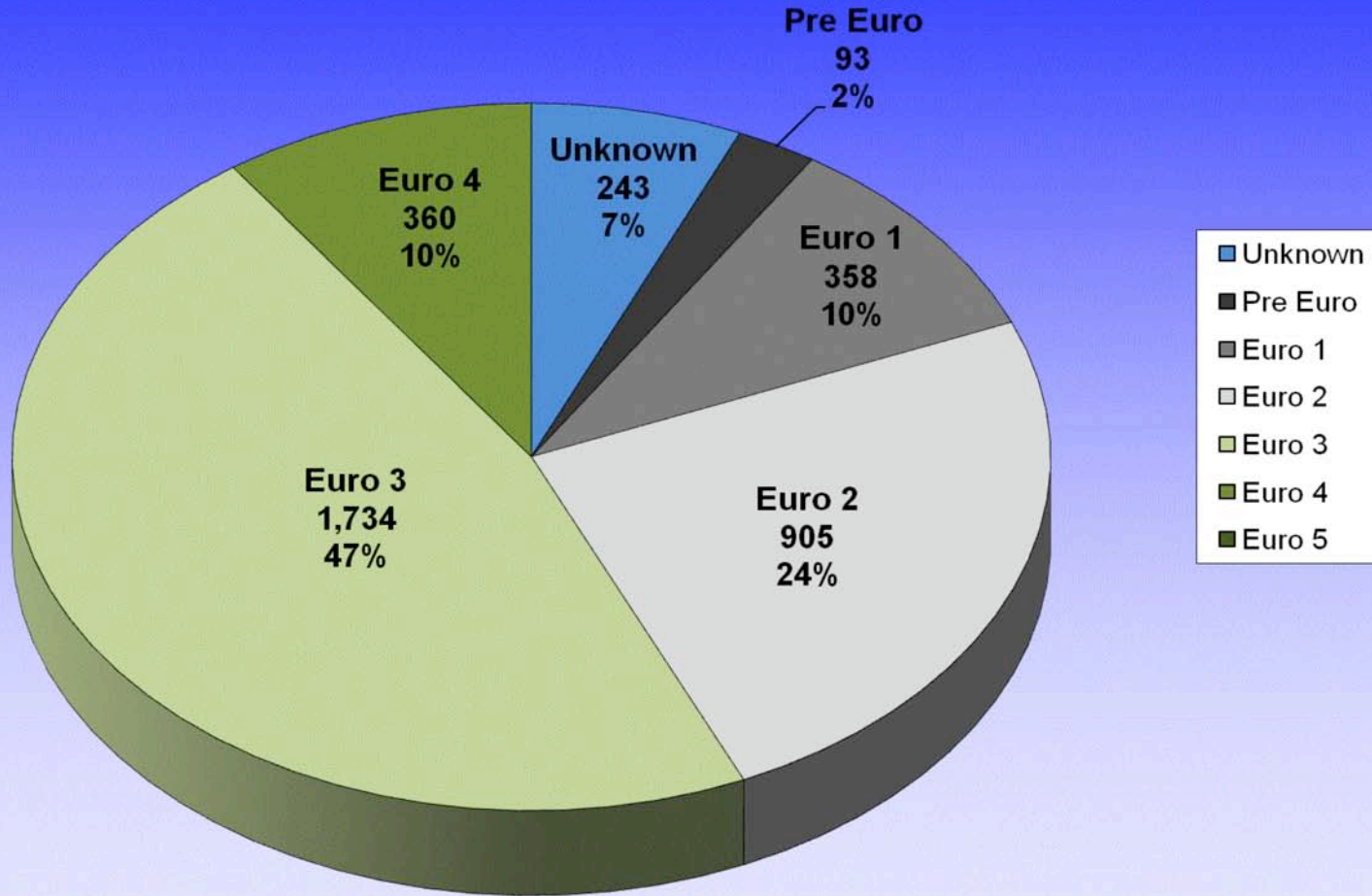
## Grey Fleet Age Profile



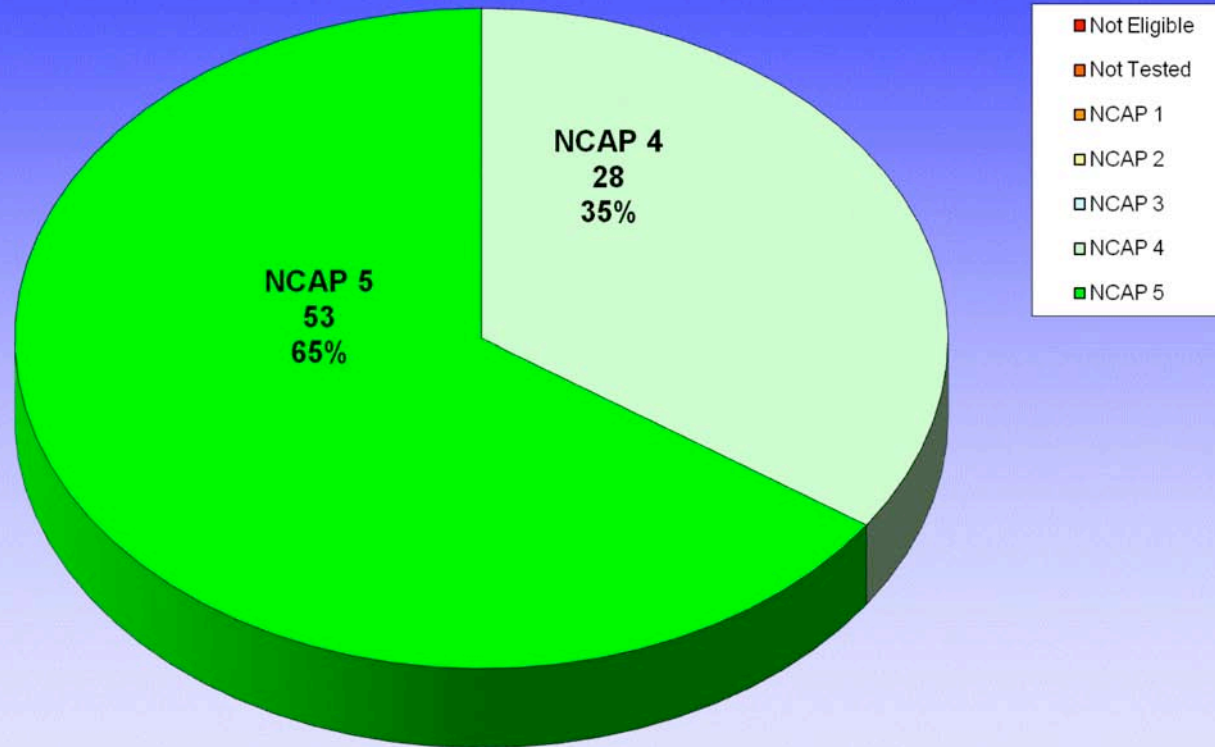
## Edinburgh Car Club Fleet Euro Standard



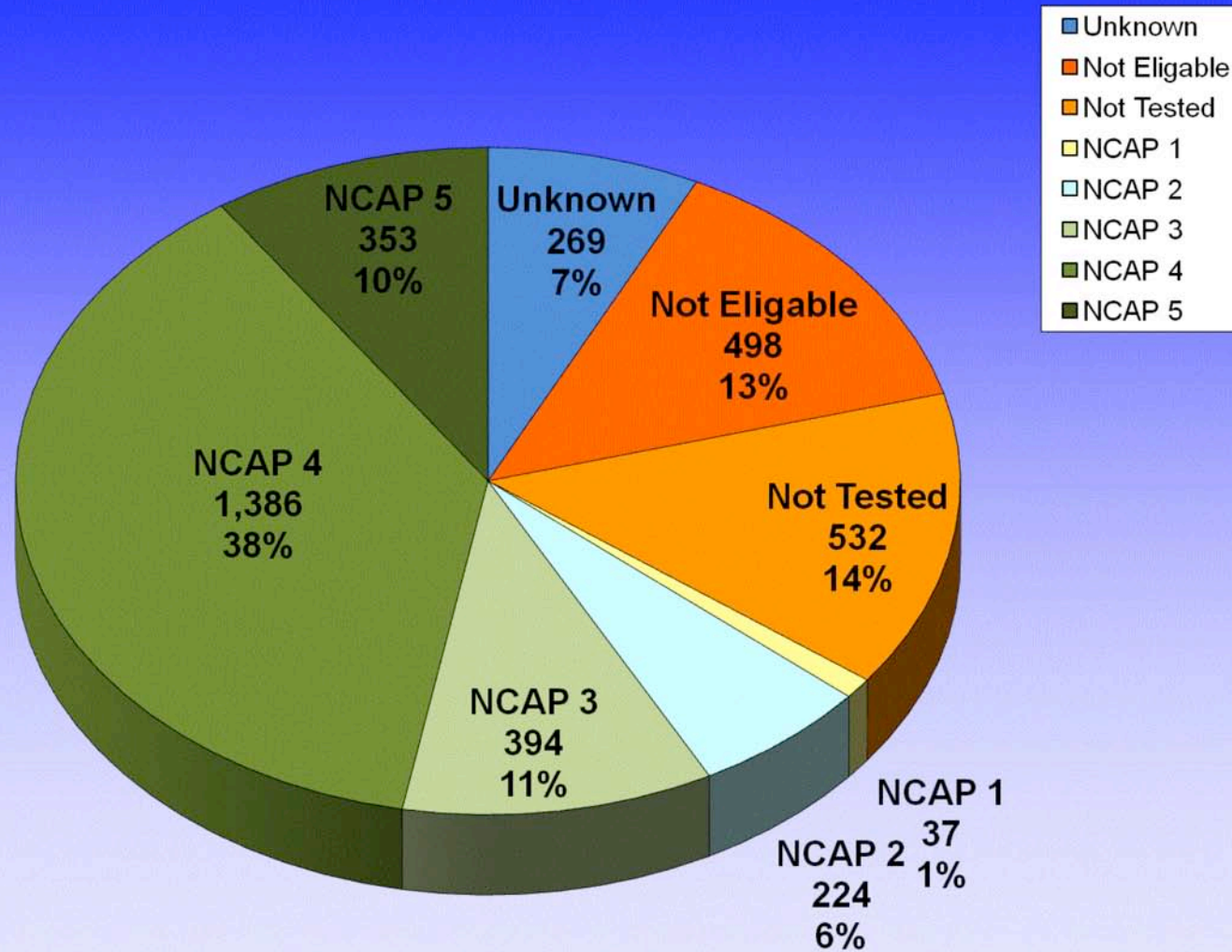
# Grey Fleet Euro Standard



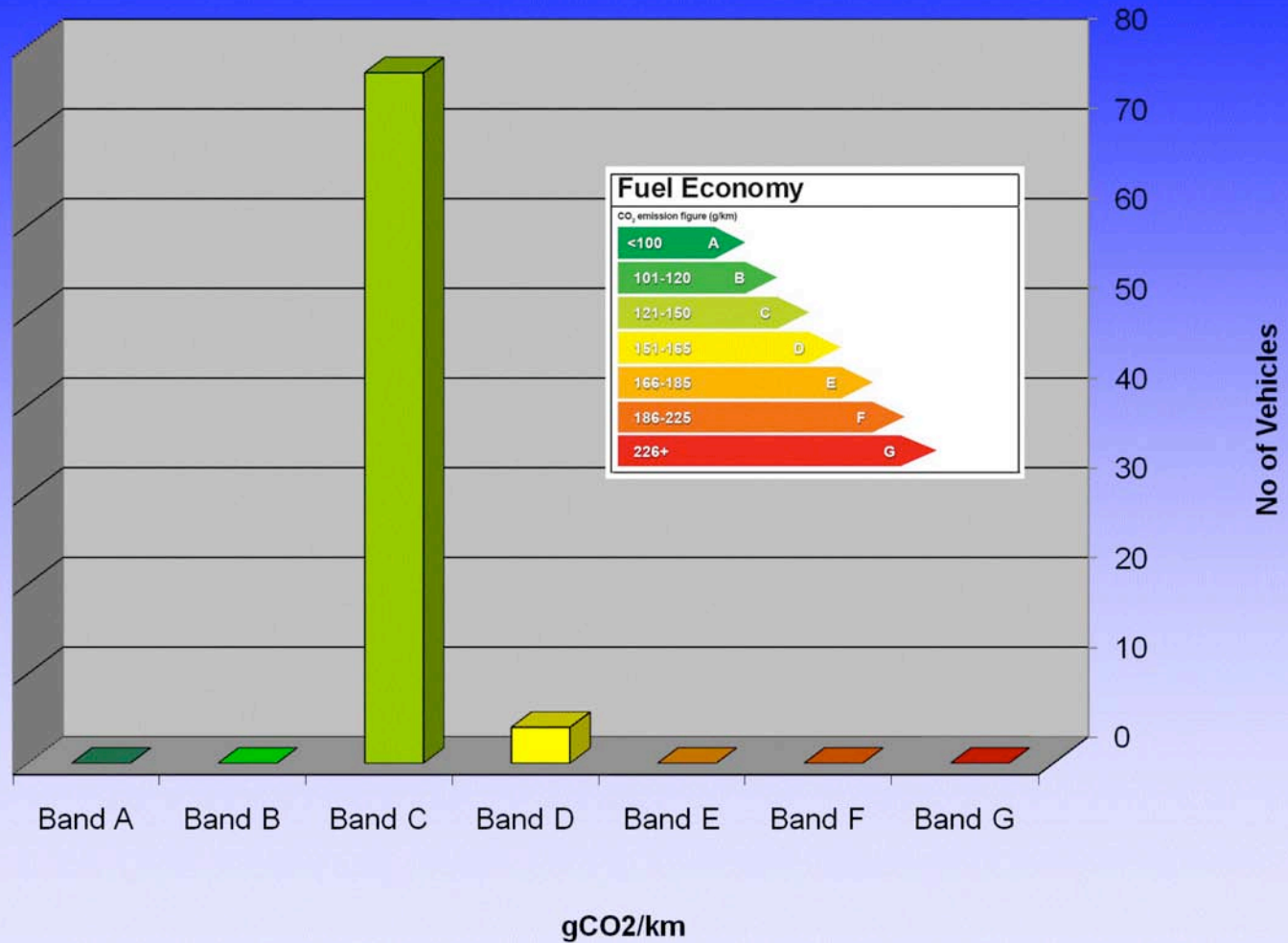
## Edinburgh Car Club Fleet NCAP Profile



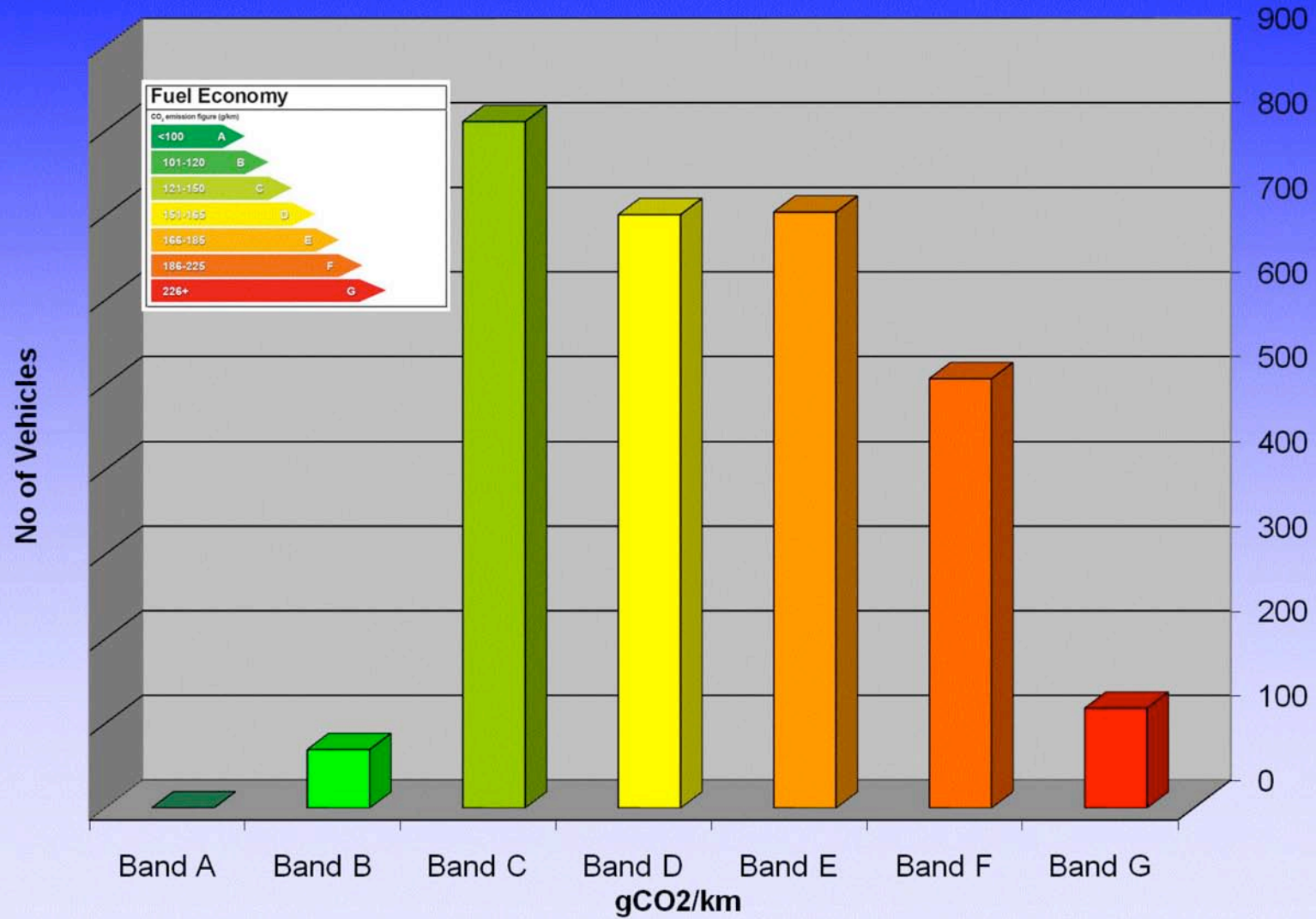
## Grey Fleet NCAP Profile



## Edinburgh Car Club Fleet CO2 g/km Profile



# Grey Fleet CO2 g/km Profile



# Matched to Service Need?

Group	Daily	Weekly	Monthly	Occasional	Total
Essential Users	66	293	358	136	853
Casual Users	83	262	523	548	1,416
	149	555	881	684	2,269

- **Very similar usage profile: Essential and Casual.**
- **Often full of anomalies:**
  - **Essential Users who did not claim any miles.**
  - **Staff doing similar jobs do/do not get allowance.**
  - **High mileage “Casual” , low mileage “Essential”.**

# Known High-Risk User Groups

## Carry Service Users:

- Escort Drivers.
- Social Workers.
- Community Care Workers.
- Care Managers.
- Educational Psychologists.
- Outdoor Activity Workers.
- Medical Tutors
- SEN Teachers.
- Tenant Support Assistants.
- Youth Offending Service.

## Carry Equipment:

- Clerk of Works.
- Site Technicians.
- Care Managers.
- Care Support Officers.
- Building Surveyors.

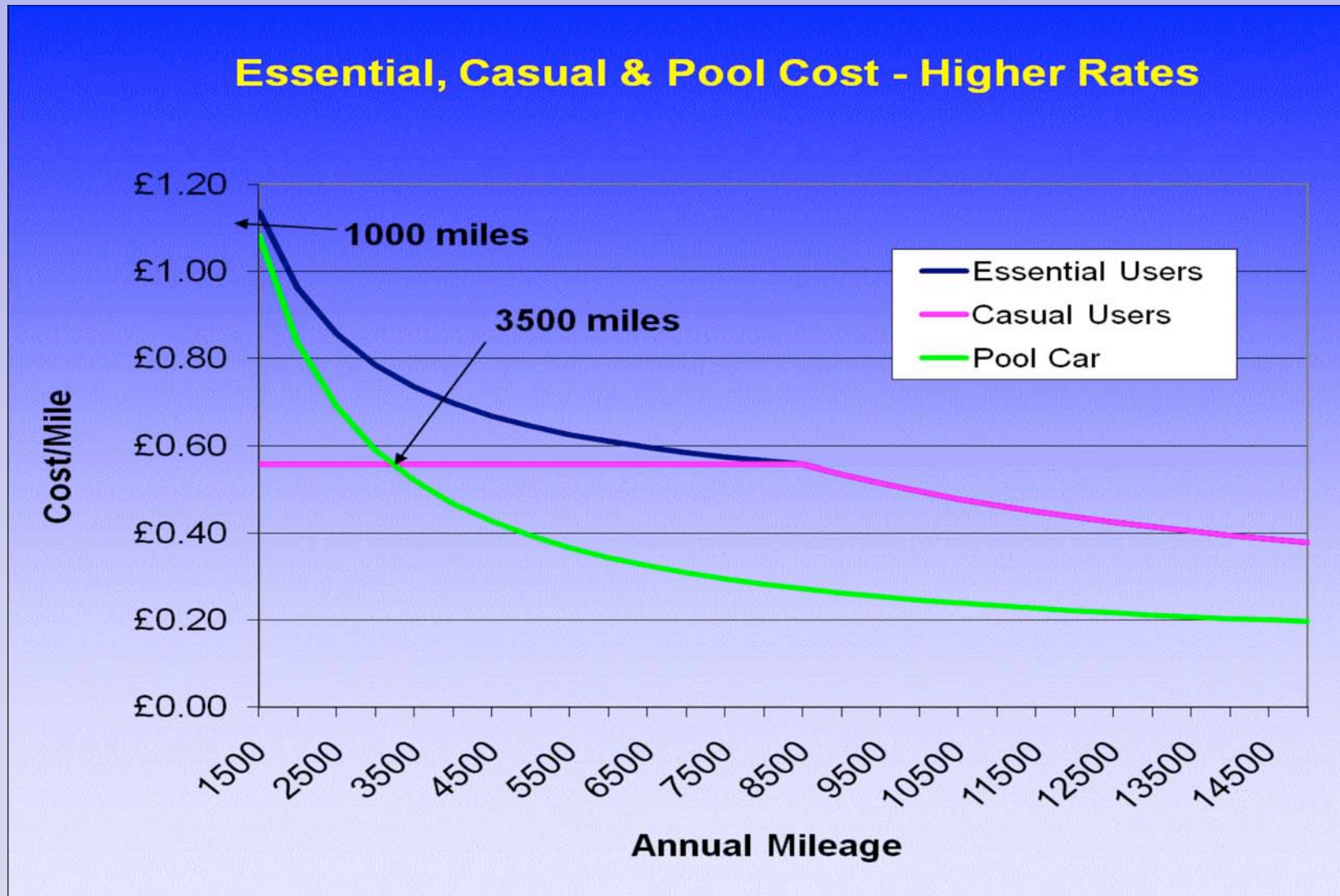
# The Law and the Grey Fleet

- **PUWER: Carriage of any equipment in vehicles.**
  - **ACPO Road Death Investigation Manual 2007.**
    - In London RTOs act under HSE warrants.
  - **Corporate Manslaughter & Homicide Act 2007.**
    - **Health and Safety Offences Act (2008).**
      - **All apply to all “at-work” accidents.**
  - **Risk of persecution under “cause or permit”.**
    - Several hundred prosecutions already .
  - **Other issues such as child seat legislation.**
    - Care staff transporting children in a Grey Feet car.

# Pool or Car Club Fleet?

- **Aim for all vehicles below 120 g/km:**
  - Preferably at least 50% of fleet below 110 g/km.
  - Preference to Euro 5 vehicles – clean air.
  - Some small vans may be best option.
  - Possibility to use electric vehicles (60 miles/day).
- **Ideal if booking system electronic = Car Club.**
  - Edinburgh Car Club: 9+ cars, 145 users, 60,000 miles.
  - Sheffield Car Club: 13 cars, 100+ users in year one.
  - Cars located on-street and shared with public
  - No compulsion (NJC rates remain in place).
- **Issues of location, parking provision, innovation.**

# Break Even Point



# Other Options

- **Lease Car/Private Use Scheme (PUS):**
  - Can be very cost effective if low carbon cars – 10-13% tax
- **Salary Sacrifice:**
  - NHS Trusts using this scheme with OGC Framework.
  - Provide car at discount – “deduction” before tax & NI.
  - Change in employment – may affect pension etc.
  - Cannot pay staff less than the Minimum Wage.
- **Hire Cars:**
  - Break even at 80-100 miles/day ( $40p - 12p = 28p * 80 = £22$ )
- **Public Transport Passes, Taxi/Private Hire.**
  - Easy access to timetables – plan meetings to match!
- **Video, Audio and Web conferencing - no miles/time!**

# Personal Car Option Clinic!

- **Range of factors to consider:**
  - **Viability of cycle/bus options – home location.**
  - **Daily/Weekly/Monthly/Occasional use pattern.**
  - **Annual mileage – how much over 80 miles/day?**
  - **Does the job require the transport of clients?**
  - **Is there a requirement to transport equipment?**
  - **Emergency response from home out of hours?**
  - **Full Time/Part Time and if Part Time: Every Day?**
  - **Cost of current solution – Cost of a PUS solution?**
  
- **Broaden the scope of the “Personal Travel Plan”.**
- **Need the options to be in place first.**

# NJC Rates - 1948 LGO Car



- **Mr Chumney Warner paid £441 for his Austin Devon.**
  - In today's money that was about £12,000.
- **The service interval was 3,000 miles, petrol 10.5p/gallon.**
- **At that time about 1.9m cars on our roads, 27m in 2007.**

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