
APSE Awards 2015

**Alan Wilson Workshop Controller
Fleet Management
South Tyneside Council**

14th October 2015



South Tyneside Council

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Fleet Services



Overview:

- **Supply reliable, safe, clean and green vehicles and plant machinery to internal and external customers.**
- **Provides a total fleet management package from drawing up specifications, purchasing vehicles, full maintenance, fuelling and disposal.**

- **Fleet Profile**

– Cars	=	14
– Vans	=	273
– M/Buses	=	20
– O License	=	42
– Total	=	349
– Annual mileage	=	2,392,759 miles



Vision

Our vision is to ensure that the fleet has a minimal effect on the environment. The vehicles are cost effective, safe and are available at all times. That we project a positive modern image and provide a support and maintenance service that is highly valued by all stakeholders.



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Reliable

- **Improved Vehicle Availability**

- Staff Performance
- Customer Communication
- Spare Vehicles
- Shift & Maintenance Changes

- **Diagnostic Equipment**

- **Staff Training**

- **Fleet Renewal Programme**

- **Customer Satisfaction**



Customer & Resident Statements

“I am a local business that employs 35 staff. Fleet Services have been maintaining all my vehicles for over a year. They have also provided me with valuable help and support on how to run my fleet more efficiently. Which in turn has increased my profits and service reliability. Their service is second to none”.

Alan Robson, Managing Director. TCL

“Fleet Services supplies my service with 190 vehicles, the numerous changes they have introduced has allowed my service to provide an uninterrupted service to the residents of South Tyneside. They are professional and are always striving for continual improvement”

Gary Kirsop, Property Service Manager. South Tyneside Homes

“Our Fleet Services team literally keep the Borough’s wheels turning. Having used the Council to service my own family car, I am very pleased with their prices and quality of service”

Cllr Tracey Dixon, Lead member



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Safe

- **Driver Training**
- **Accident Reductions**
- **Vehicle Tracking**
- **Improved Vehicle Specifications**
- **Maintenance Checks**
- **Legal Compliance**



Safe

- Operators License legal obligations are met at all times, the results below speak for themselves.
- **OCRS – Green OO**
- **LGV First Time Pass Rate**
 - 14/15 --100%
 - 13/14 --100%
 - 12/13 – 100%
- **No Prohibitions Issued**
- **No Tachograph Infringements**
- **No Overloading Infringements**



Clean & Green

EMS - ISO14001

Electric Vehicles

Fleet Renewal Programme

**Tracking and Satellite
Navigation**

Pool Vehicles

Fuel Management



South Tyneside Council

Clean & Green

- **South Tyneside Council received external funding from the Office For Low Emission Vehicles**
- **20 rapid chargers installed in key locations across the Borough**
- **In talks with NECA's Go Ultra Low City bids for funding for a further 20 electric vehicles (EVNV200)**



Potential operating costs on converted Environmental Services vans

	Electric	Diesel
Converted vehicle price	£20,808	£15,750
Residual	£3,000	£2,700
Depreciation	£17,808	£13,050

Running costs based on 15k per year, 24 mpg.

Diesel costs at £1.12 per litre, electric costs at 0.11p per KWh/KM

Fuel cost electric	£1,470	
Fuel cost diesel		£16,016
Maintenance	£2,500	£7,500
Road tax	Nil	£1,125
Total operating costs	£21,778	£37,691
Total saving	£15,913	



Vehicle Whole Life Cost Comparator - Nissan NV200

INPUT	EV	Diesel	Description
VEHICLE COST	0	25,000.00	15,750.00
Co2 Rating (g/km)	0	128	
Grant Available (if any)	0	0	0
Annual Tax 1	0		Congestion Charge
Annual Tax 2	0	225	Annual RPL
Annual Tax 3	0	0	
Residual Value	0	5,000.00	2,700.00
Annual Cost of Funds (%)	5%	5%	Value at end of Term
Total Interest Charge	0	5,242.40	4,725.00
Term (Years)	6	6	Fuel Rate
kms/year	32,400	32,400	
kwh/year	30.00	30.00	
Diesel Consumption (l/100km)	N/A	10.98	
Electricity Consumption (kWh/km)	0.11	N/A	
Cost of Diesel (litre)	N/A	1.09	
Cost of Electricity (kWh)	0	0.11	N/A
Expected Annual Fuel Inflation	10.00%	10.00%	
Total Maintenance Cost	0	2,900.00	7,500.00
Carbon Cost per tonne	0	0.00	0.00

Total Distance Travelled (km)	194400.00	194400.00
Tonnes of CO2 emitted	8.78	24.89

RESULTS SUMMARY

Depreciation	0	17,808.00	13,050.00
Fuel Costs	0	2,352.24	23,011.50
Fuel Inflation	0	1,411.34	13,907.14
Total Fuel Costs	0	3,763.58	36,918.64
Maintenance Costs	0	3,000.00	7,500.00
Carbon Costs	0	-	-
Interest/Finance charges	0	5,242.40	4,725.00
Total Taxes	0	-	1,350.00
Sub Total	0	30,813.98	83,444.05
Total Grant Allowances	0	0	0
Whole Life Cost	0	30,813.98	83,444.05
Equivalent per month	0	427.97	851.17

NOTES:

EV fuel consumption based on 5.5kwh/kWhr

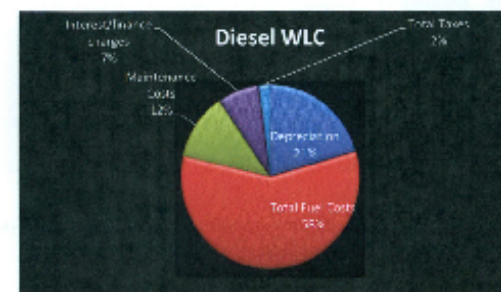
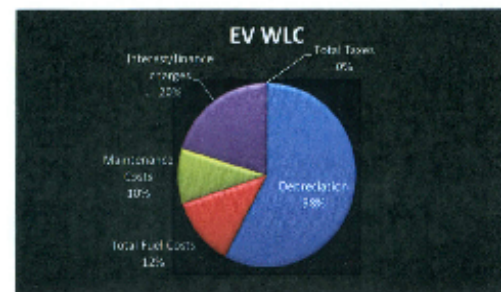
Diesel Fuel consumption based on 35mpg

Cost: Rv, Finance & Maintenance estimated

Electricity CO2 emissions based on DEFRA conversion factors 2014

The below table converts UK MPG to EU l/100km

	Fuel Consumption MPG	g/km	Carbon CO2 g/km
1	282.48	11958.16	7429.22
10	28.25	1155.62	742.92
15	18.83	797.00	496.20
20	14.12	597.51	371.46
21	13.45	559.34	353.77
22	12.84	543.48	337.69
23	12.28	519.83	323.01
24	11.77	499.17	309.55
25	11.30	478.25	297.17
26	10.86	459.85	285.74
27	10.46	442.82	275.16
28	10.08	427.01	265.33
29	9.74	412.28	256.18
30	9.42	398.54	247.64
31	9.11	385.68	239.65
32	8.83	373.63	232.16
33	8.56	362.31	225.13
34	8.31	351.65	218.61
35	8.07	341.61	212.28
36	7.85	332.12	206.97
37	7.63	323.14	201.79
38	7.43	314.64	196.51
39	7.24	306.57	191.40
40	7.06	298.90	185.73
41	6.89	291.61	181.20
42	6.73	284.67	176.89
43	6.57	278.05	172.77
44	6.42	271.73	168.85
45	6.28	265.69	165.09
46	6.14	259.92	161.50
47	6.01	254.39	158.07
48	5.89	249.09	154.78
49	5.78	244.00	151.62
50	5.65	239.12	148.58
51	5.54	234.43	145.67
52	5.43	229.93	142.87
53	5.33	225.59	140.17
54	5.23	221.41	137.58
55	5.14	217.39	135.08
56	5.04	213.50	132.66
57	4.96	209.75	130.34
58	4.87	205.14	128.09
59	4.79	202.65	125.92
60	4.71	199.27	123.82



Next Steps

- **Easy wins done!**
- **Develop move into private sector**
- **Devolution discussions**
- **Alternative fuels**
- **Total life cycle costs Vs service requirements**

